ANGUS HANDBOOK

1953

VIRGINIA ABERDEEN-ANGUS ASSOCIATION

Congratulations!

To the Virginia Aberdeen-Angus Association on the excellent promotional job being done, and to their efficient secretary, Dave Canning, on his great work.

You Can Rely on the Journal

For complete coverage of Aberdeen-Angus breeders, with readers in 48 states, the provinces of Canada and twenty foreign countries. JOURNAL advertising offers the largest all-Aberdeen-Angus-readership, and successfully promotes sales.

For Complete NEWS of the Breed We Suggest You READ

The . . .

Aberdeen-Angus Journal

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EILEENMERE 1029"
(Senior Herd Sire at Kinloch)

KINLOCH

The Quality Foundation Herd
Where Great Bulls are Mated to Great Females

OUR HERD BULLS

EILEENMERE 1029"
Kinloch's famous Eileenmere Senior Sire

KINLOCHMERE 23RD
1951 International Junior Champion

KINLOCHMERE 88TH
Our great Junior Sire by the 1029th

BLACK KNIGHT 98TH OF AV
Our $50,000 Sunbeam Junior herd sire

QUEEN'S GRENADIER GR
Renowned son of Black Bardolier

At Kinloch we can offer you the very finest in Eileenmere, Sunbeam and Bandolier breeding.
A prepotent Kinloch bull of superior type and strong pedigree could furnish the quality foundation you need for your breeding program.

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Bailey Rd
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12/12/53

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Supply, Virginia
(28 Miles South of Fredericksburg on Route 17)
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Now in Service

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Prince Eric of Sunbeam 744659	Prince Sunbeam 29th 629408	Black Prince of Sunbeam 504521	Black Peer of St. Albans
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PAST

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PLUS PRESENT

A great individual as proven in the show ring against the best in the nation.

1952 Futurity—3d
1952 Atlantic Rural Exposition, 1st—Reserve Junior Champion
1952 International—5th

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ELK HILL

J. B. Hodges **Forest, Virginia**

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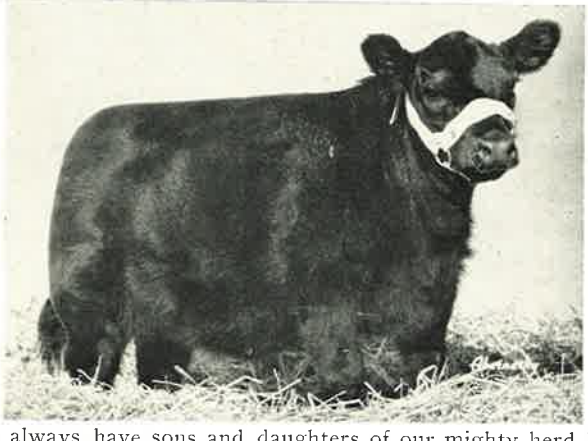
Home of Mighty Herd Bulls

Typical daughters of the $100,000 Prince Eric Esquire



We always have sons and daughters of our mighty herd bulls for sale. Our breeding herd represents the finest tribes; Evermere, Blackcap Bessie, Georgina, Gamma, Gilts, Maid of Bummers, Pride Rose and excellent representatives of all of the other preferred, tried and proven families.

ADAMS PLANTATION

LYNCHBURG VIRGINIA

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Please see page 109.

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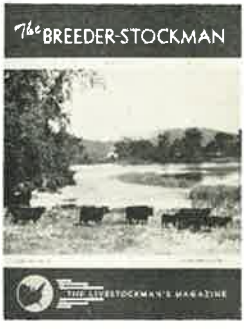

THE TOP 25 ABERDEEN-ANGUS SALES OF 1952 WERE ADVERTISED BY THE BREEDER-STOCKMAN

More and more breeders are coming to us and saying "that ad paid off." That's easy to understand when the economy of Breeder-Stockman advertising is considered.

Whether it's a small advertisement of a bull or a few heifers, or a two-page spread on a sale, smart breeders find they get their money back many times over with a Breeder-Stockman ad.

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The BREEDER-STOCKMAN

THE LIVESTOCKMAN'S MAGAZINE IN THE EAST AND SOUTH

Angus Hand Book

1953

★ ★ ★

ONE DOLLAR

★ ★ ★

Published by
THE VIRGINIA
ABERDEEN-ANGUS ASSOCIATION, Incorporated
Charlottesville, Virginia

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Amandale Farm

A quality herd headed by these sires:

L. R. EILEENMERE 4th, grandson of "487th"

HOTHER EVADER, by Hother's Evader Revolution

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by Glencarnock Eric of Cremona

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PRINCE SUNBEAM 969th,
by Prince Esquire of Sunbeam

AMANDALE'S BANDOLIER 29th,
by Amandale's Bandolier 18th, 1950 Warrenton Grand Champion, now herd sire at Bob Montgomery's Ash Grove Farm.

Families Represented

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Eurotia
Karama
Erianna
Miss Wix
Juana Erica
Hartley Eline
Hartley Missie
Caldwell Elaine
Bosta Blackbird
Witch of Endor
Blackcap Bessie
Ballindalloch Jilt
Maid of Bummer
Rosemere Barbara
Ballindalloch Georgina
etc.

PRINCE SUNBEAM 969TH 1572995

Amandale Farm

Upperville, Va. — Telephone Upperville 68-R

MR. AND MRS. JOHN C. GALL, Owners

Leece George, Herdsman — Frank Pyne, Farm Manager

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The original and continuing purpose of the Angus Handbook is to aid the new farmer and breeder in acquiring the feel of the farm, the atmosphere and the viewpoint. The avenue is thru the setting forth of specimens of the perplexities and the rewards and the challenges.

To the seasoned breeder with his operation well in hand, the text of the Handbook offers little except the approach of others to affairs akin to his own. The Handbook is comprehensive or final in no respect. That the material should be random and scattered and even conflicting does not render it without worth to the intended purpose. Repetition from year to year is not too great to warrant the continuing use of all issues.

Designed for Virginia use, circulation (ever increasing) is yet becoming nationwide. Advertising, confined to Virginia herds, includes those that are carrying the breed forward. A study of it gives knowledge of the plans and progress of breeders whose future bears heavily on the future of all.

VIRGINIA ABERDEEN-ANGUS ASSOCIATION, INC.

1313 LONG STREET
Post Office Box 196
Charlottesville, Virginia
Telephone 3-3044 and 2-5942

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THE ANGUS HANDBOOK

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Write to Association Secretary for verification and for catalogues.

1953 AUCTIONS

Sponsored by the Virginia Aberdeen-Angus Ass'n.

All members privileged to nominate. For private auctions see advertising index.

DATE		DAY	LOCATION	NAME	SALE MANAGER
Feb.	25	Wednesday	Staunton	Farmers' Bull Sale	G. Dayton Hodges, Staunton, Va.
Feb.	28	Saturday	Danville	Danville District Angus Auction	Winfred P. Terry, Ringgold, Va.
March	21	Saturday	Petersburg	Southside Sale	R. Maclin Smith, Kenbridge, Va.
April	13	Monday	Orange	Orange District Spring Auction	F. Julia Shearer, Orange, Va.
April	24	Friday	Tappahannock	Rappahannock River Valley Sale	Leslie T. White, Chisford, Va.
April	27	Monday	Staunton	Staunton District Spring Show and Sale	Glenn Yount Staunton, Va.
April	29	Wednesday	Charlottesville	Commercial Distribution Sale	Va. Aberdeen-Angus Assoc. Charlottesville, Va.
May	30	Saturday	Leesburg	Northern Virginia Sale	William C. Crane, Leesburg, Va.
July	8	Wednesday	Richmond	Commercial Sale	Va. Aberdeen-Angus Assoc. Charlottesville, Va.
Sept.	19	Wednesday	Charlottesville	"Right Off Grass" Sale	Va. Aberdeen-Angus Assoc. Charlottesville, Va.
Sept.	21	Monday	Warrenton	Virginia Breeders' "Spotlight" Show and Sale	Milton R. Westcott Falls Church, Va.
Sept.	29	Tuesday	Richmond	Capital City Sale	R. E. B. Blanton, Richmond, Va.
Oct.	19	Wednesday	Bristol	Southwest Virginia Calf Sale	George Wheeler, Marion, Va.
Oct.	21	Wednesday	Ocala, Fla.	Florida Calf Sale	
Oct.	23	Friday	Amherst	Amherst Calf Sale	Julian Adams, Lynchburg, Va.
Nov.	4	Wednesday	Staunton	"Farmers' Chance" Sale	G. Dayton Hodges, Staunton, Va.
Nov.	9	Monday	Orange	Orange District Fall Sale	V. D. Rider, Gordonsville, Va.
Nov.	13	Friday	Leesburg	Leesburg Calf Sale	William C. Crane, Leesburg, Va.
Nov.	20	Friday	Roanoke	Roanoke Valley Calf Sale	Dr. W. D. Pedigo, Pearisburg, Va.
Nov.	24	Tuesday		Tidewater Calf Sale	
Dec.	10	Thursday	Danville	Danville Calf Sale	Winfred P. Terry, Ringgold, Va.
Dec.	12	Saturday	Front Royal	Northern Virginia Calf Sale	

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Bailey Brothers	Ft. Defiance	Augusta	2
Bailey, Dr. C. L.	Danville	Pittsylvania	5
Bain, E. H.	Charlottesville	Albemarle	3
Baird, L. P.	Richmond	Henrico	7
Baker, Allen J.	Barboursville	Orange	3
Baker, C. B.	Shadwell	Albemarle	3
Baker, C. B., Jr.	Shadwell	Albemarle	3
Baker, W. F.	Louisa	Louisa	3
Ballard, Homer	Crozet	Albemarle	3
Bane, H. A.	Bland	Bland	6
Banks, F. M.	Clifton	Fairfax	1
Barker, W. C.	Lynchburg	Bedford	5
Barkley, G. H.	Charlottesville	Albemarle	3
Barlow, R. E.	Smithfield	Isle of Wight	4
Barnes, H. G.	Saluda	Middlesex	7
Baskerville, Geo. & Field	McKenney	Dinwiddie	4
Bass, Thomas H.	S. Boston	Halifax	4
Battle, Mrs. George Gordon	Rapidan	Culpeper	1
Battle, J. Allan	Crozet	Albemarle	3
Baxter, C. M.	Charlottesville	Albemarle	3
Baylor, R. W.	Loretto	Essex	7
Beahm, C. M.	Hollins	Roanoke	6
Beane, Bud	Catlett	Fauquier	1
Beasley, M. L.	Sterling	Loudoun	1
Beattie, A. T.	Buckingham	B'ham	3
Beckwith, C. H.	Hopewell	Chesterfield	7
Beckwith, Mr. & Mrs. Robt. L.	Hartfield	Middlesex	7
Begoon, Verlin	Staunton	Augusta	2
Bellamy, Gaines	Gate City	Scott	6
Bendix, Dr.W.L.	Richmond	Henrico	7
Benedict, Dr.W.S.	Sterling	Loudoun	1
Bennett, R. E.	Ringgold	Pittsylvania	5
Bevan, W. F.	Weedonsville	K. Geo.	7
Billings, D. T.	Farmville	P. Edward	4
Billingsley, A.G.	Lignum	Culpeper	1
Biscoe, W. E.	F'burg	Spotsylvania	7
Bishop, R. L. & Sons	Waverly	Sussex	4
Blackburn, W. E.	Richmond	Richmond	7
Blake, Ivan R.	Cross Junction	F'rick	1
Blankenbaker, C. F.	Haywood	Madison	1
Blanton, R.E.B.	Richmond	Henrico	7
Blevins, Dr.L.H.	Aldie	Loudoun	1
Bloch, Paul J.	Keswick	Albemarle	3
Bloch, R. H.	Keswick	Albemarle	3
Boatwright, H. Lee, Jr.	Somers	Lancaster	7
Boatwright, Ray	Wealthia	Buckingham	3
Bocock, Dr.E.A.	Bristow	Prince Wm.	1
Bohannan, S.S.	Norfolk	Isle of Wight	4
Bolling, Stewart	Vanderpool	Highland	2
Bonynge, Dr.H.A.	Gordonsville	Orange	3
Boothe, G.C.,Jr	Pulaski	Pulaski	6
Booton, J. R.	Chester	Chesterfield	7
Borden, B. A.	Bumpass	Louisa	3
Bovard, R. O.	Keene	Albemarle	3
Bowen, J. deK.	Charlottesville	Albemarle	3
Bowers, H. E.	Pearisburg	Giles	6
Bowles, W. L.	Boyce	Clarke	1
Bowman, W. F.	Mt. Jackson	Shenandoah	1
Boyd, A. W.	Holdcroft	Chas. City	7
Boykin, N. S.	Ivor	Southampton	4
Bradley, Carl	Brookneal	Campbell	5
Bradley, E.L.,Jr.	Scottsville	Albemarle	3
Bradley, F. E.	Clayville	Powhatan	7
Bradshaw, R. M. and Son	Rice	Prince Edward	4
Brady, W.G.,Jr.	Carter's B.	Albemarle	3
Branch, F. E.	Wakefield	Sussex	4
Braxton, E. H.	Winston	Orange	3
Braxton, Dr. H. H.	Chase City	Mecklenburg	4
Bremner, L. S.	Richmond	Henrico	7
Brenizer, W. S.	Gainesville	Prince Wm.	1
Brewer, R. B.	Lawrenceville	Brunswick	4
Brickhouse, B.	Fentress	Norfolk	4
Bridgewater, W. L.	Lovingston	Nelson	3
Bright, H. L.	Cobham	Albemarle	3
Brilhart, M. M.	Catawba	Roanoke	6
Brinton, B. H.	New Kent	New Kent	7
Britt, Ira L.	Alberta	Brunswick	4
Brittle, Leah	Wakefield	Sussex	4
Brittle, S. A.	Waverly	Sussex	4
Broaddus, Vice-Adm. C. A.	Newtown	K. & Queen	7
Broaddus, M. G., Jr.	Sparta	Caroline	7
Brookes, T. S.	Keysville	Charlotte	4
Brooks, F. O.	Tappahannock	Essex	7
Brotemarkle, T. Clinton	Glen Allen	Hanover	7
Brown Brothers	Waynesboro	Augusta	2
Brown, D. A.	Troy	Fluvanna	3
Brown, L. W.	Prospect	Pr. Edward	4
Brown, L. L.	Dublin	Pulaski	6
Brown, Rodes	Sperryville	R'hannock	1
Browning, J. S.	Flint Hill	R'hannock	1
Bruce, Alex	Haywood	Madison	1
Brush, R. A.	Covesville	Nelson	3
Bryan, G. W.	Dogue	King George	7
Bryant, Billy & Bobbie	Tye River	Nelson	3
Buckner, J. S.	Sperryville	R'hannock	1
Buhrman, A. W.	Richmond	Henrico	7
Buhrman, M. B.	Richmond	Charles City	7
Burnley Dairy Farm	Gordonsville	Louisa	3
Burrows, J. S.	Upperville	Loudoun	1
Burruss, J. H.	Beaverdam	S'sylvania	7

NAME	TOWN	COUNTY	AREA
Burson, R. E.	Lively	Lancaster	7
Burton, A. B.	Lynchburg	Campbell	5
Bussell Bros.	Gate City	Scott	6
Butler, J. C.	Carrsville	Isle of Wight	4
Butler, Mr. & Mrs. Lee D.	Supply	Essex	7
Button, Joseph	Rixeyville	Culpeper	1
Butzner, W. W.	F'burg	Spotsylvania	7
Byerly, M. & Sons	Mt. Solon	Augusta	2
Cahoon, W. B.	Norfolk	Norfolk	4
Callaway, F. B.	Callaway	Franklin	5
Calohan, W. E.	Rustburg	Campbell	5
Camp Ground Farm	Waverly	Surry	4
Campbell Estates, Inc.	Stevensburg	Culpeper	1
Campbell, Colin	Shadwell	Albemarle	3
Campbell, W. C.	Washington	R'hannock	1
Canheld, J. H. & Son	Richmond	Henrico	7
Cannady, C. N.	Waynesboro	Augusta	2
Canning, Dave	Shadwell	Albemarle	3
Canning, Mrs. D.	Shadwell	Albemarle	3
Canning, Geo.	Greenwood	Albemarle	3
Canning, J. H.	Hendrum, Minn.		
Canterbury Farm	Eastham	Albemarle	3
Caravati, Dr. Charles M.	Richmond	Henrico	7
Carey, Lt. Col. & Mrs. T. J.	Elkwood	Culpeper	1
Carmichael, J.H.	Leesburg	Loudoun	1
Carrington, P.W.	Brandy	Culpeper	1
Carter, A. E.	Stephen's City	F'rick	1
Carter, Curry	Fishersville	Augusta	2
Carter, Mr. & Mrs. Fred	Buena Vista	R'bridge	2
Carter, J. P.	Keene	Albemarle	3
Carter, J. A.	Verona	Augusta	2
Carter, Mr. & Mrs. J. S.	Piney River	Nelson	3
Carter, Mr. & Mrs. R.E., III	Charlottesville	Albemarle	3
Cary, J. R., III	Ivy	Albemarle	3
Cary, J. R., Jr.	Ivy	Albemarle	3
Casey, A.M.,Jr.	Crozet	Albemarle	3
Cash, Dr. J. R.	Crozet	Albemarle	3
Castles, J. G.	Corbin	Caroline	7
Catherwood, J.C.	Lynchburg	Campbell	5
Catlin, Avery	Charlottesville	Albemarle	3
Catlin, Mr. & Mrs. Randolph	Charlottesville	Albemarle	3
Cauthorn, M. S.	Richmond	Henrico	7
Caylor, Aubrey	Rectortown	Fauquier	1
Chambers, M.H.	Midland	Fauquier	1
Chandler, A. M., Jr.	Montross	Westmoreland	7
Childers, W. T.	Appomattox	Appomattox	5
Chinski, C. C.	Pelham Manor,	N. Y.	
Chipman, A. D.	Miles	Mathews	7
Christensen, B.	Howardsville	Albemarle	3
Christian, R. E.	Deerfield	Augusta	2
Clark Ranch	Warrenton	Culpeper	1
Clarke, Owen W.	Vienna	Fairfax	1
Clarke, R. E.	Onancock	Accomac	7
Clement, C. F.	Clifton	Fairfax	1
Clements, T. W.	Nuttall	Gloucester	7
Clover, L. W.	Madison	Madison	1
Clover, W. L.	Charlottesville	Albemarle	3
Cobb, N. N.	Moffats Creek	R'bridge	2
Cobham Park Farm	Cobham	Albemarle	3
Cochrane, J. H.	Rockville	Hanover	7
Coffey, N. T.	Buchanan	Botetourt	2
Coffman, W. L.	Toms Brook	Shen'doh	1
Coleman, C. R.	Snell	Spotsylvania	7
Coleman, G. K. and Son	Ruther Glen	Caroline	7
Coleman, S. B.	F'burg	Spotsylvania	7
Collins, J. B.	Dublin	Pulaski	6
Collins, W. E.	Front Royal	Warren	1
Colvin, H. F.	Wolftown	Madison	1
Combs, E. B.	Woodville	R'hannock	1
Commander, Guy W.	Norfolk	Norfolk	4
Condrey, J. H.	Midlothian	C'field	7
Conkey, H. P.	Middleburg	Fauquier	1
Conner, W. T.	Nathalie	Halifax	4
Connors, E. D.	Warrenton	Fauquier	1
Cook, F. L., Jr.	Beach	Chesterfield	7
Cook, R. L.	Beach	Chesterfield	7
Cook, V. W.	Richmond	Henrico	7
Cooley, L. H.	Williamsburg	J. City	7
Coons, G. D.	Richmond	Chesterfield	7
Copenhaver, E.C.	Winchester	Frederick	1
Copley, C. E.	Richmond	Henrico	7
Cordle, J. A. & W. T.	Kenbridge	Lunenberg	4
Cornwell, Harvey	Haywood	Madison	1
Cotnareanu, Mr. & Mrs. L.	Warrenton	Fauquier	1
Cournow, E. R.	Palls	King William	7
Covington, A. B.	Alexandria	Culpeper	1
Covington, J. G.	Ridgeway	Henry	5
Cowherd, F. C.	Frederick Hall	Louisa	3
Cox, George A.	Waverley	Sussex	4
Coyne, C. D.	Gainesville	P. Wm.	1
Coyner, J. V.	Waynesboro	Augusta	2
Craft, R. G.	Gate City	Scott	6
Craig, W. J.	Spencer	Patrick	5
Craigland Farm	Maggie	Craig	6
Crane, Brig. Gen. Wm. C.	Leesburg	Loudoun	1
Cropsey, Dr.L.M.	Supply	Essex	7
Crosby, J. C.	Staunton	Augusta	2
Crumpler, Dr. L. O.	Danville	Pittsylvania	5
Cunningham, Alice & Helen	Keswick	Albemarle	3
Cushman, C.V.B.	Upperville	Loudoun	1
Cutting, Col. George W.	Warrenton	Fauquier	1
Dalton, Harley	Radford	Montgomery	6
Daniel, F. B.	Orange	Orange	3
Dart, Russell	Berryville	Clarke	1
Davenport, C.M.	Portsmouth	Amelia	7
Davenport, R.C.	Delaplane	Fauquier	1
Davies, Wm. E.	Fine Ck. Mills	P'tan	7
Davis, A. M.	Max Meadows	Wythe	6
Davis, N. E.	Fries	Grayson	6
Davis, R. M.	Gordonsville	Orange	3
Davis, T. G.	Greenwood	Albemarle	3
Dawson, E. J.	Lancaster	Lancaster	7
Denby, J. O.	Warrenton	Fauquier	1
Denning, L. K.	Mattoax	Amelia	7
Deputy, R. F.	Harrisonburg	R'ham	2
Derrenbacker, F.	Wealthia	Buck'ham	3
Devin, W. R.	Narrows	Giles	6
Dickerman, Dr. C. P.	Staunton	Augusta	2
Dillard, W. R.	F'burg	Spotsylvania	7
Dillon, J. H.	Concord	Campbell	5
Dirickson, C. F.	Charlottesville	Albemarle	3
Dix, John W.	Gordonsville	Orange	3
Doak, M. A.	Clifton	Fairfax	1
Dolan, Mr. and Mrs. W. S.	Wingina	Nelson	3
Dolph, William	Charlottesville	Albemarle	3
Dos Passos, J.	Westmoreland	W'land	7
Dougherty, Col. Graham	Berryville	Clarke	1
Driver, W. I.	Lexington	Rockbridge	2
Duckworth, P.C.	Amherst	Amherst	5
Duer, Beverly	Leesburg	Loudoun	1
Duke, R. W.	Holdcroft	Chas. City	7
Dyer, J. M.	Culpeper	Culpeper	1
Eagle, Ray	Doe Hill	Highland	2
Earl, M. H.	Charlottesville	Albemarle	3
Early, W. B.	Orange	Orange	3
East, James A.	Chatham	Pittsylvania	5
East, John H.	Churchville	Augusta	2
Eastham, B. G.	Warrenton	Fauquier	1

MEMBERSHIP, ALPHABETICALLY (Continued)

NAME	TOWN	COUNTY	AREA
Eastwick, E. P., III & M. S.	Lively	Lancaster	7
Echols, G. L. & C. S.	McKenney	Dinwiddie	4
Echols, H. B.	McKenney	Dinwiddie	4
Edwards, E. S.	Gainsboro	Frederick	1
Elam, C. N.	Belona	Powhatan	7
Elder, Robert Grey and Son	Brookneal	Campbell	5
Ellett, Mr. and Mrs. A. C.	Rixeyville	Culpeper	1
Elliott, C. I.&Son	Richmond	Henrico	7
Elliott, M. W.	Lynchburg	Campbell	5
Ellis, H. W.	Orange	Orange	3
Ellis, J. R.	Orange	Orange	3
Ellis, R.S.&Son	Alcoma	Buckingham	3
Entsminger R R	Roanoke	Roanoke	6
Eriksen, E. J.	Somerset	Orange	3
Estes, G. A.	Mineral	Louisa	3
Estes, R. F.	Orange	Orange	3
Evans, Cedric	Richmond	Henrico	7
Ewell, Claude	Parksley	Accomac	7
Fairlamb, G. C.	Richmond	Henrico	7
Farmer, I. M.	Ringgold	Pittsylvania	5
Feagans, C.B.,Jr.	Lynchburg	Campbell	5
Ferguson, F. E.	Middletown	Warren	1
Ferguson, J. H.	Wirtz	Franklin	5
Ferrell, B. L.	Lynchburg	Campbell	5
Fessler, H. L.	Manakin	Goochland	7
Fetko, Andrew	Emporia	Greenville	4
Field, W.S.&Son	Nuttall	Gloucester	7
Fifer, Dr. C. L.	Alexandria	Fairfax	1
File, Mrs. D. A.	Irwin	Goochland	7
Firebaugh, M. L.	Moneta	Franklin	5
Fishburn, J. T.	Woodstock	Shenandoah	1
Fisher, B. L.	Martinsville	Henry	5
Fisher, W. G.	Mineral	Louisa	3
Fitzgerald, W. G.	Crozet	Albemarle	3
Fitzhugh, P. T.	LaGrange	Culpeper	1
Fletcher, J. W.	Sperryville	R'hannock	1
Flippo, W. P., Jr.	F'burg	Stafford	7
Florence, D. D.	Keswick	Albemarle	3
Floyd, W. R.	Columbia	Cumberland	7
Forstbauer, W. A. & M. E.	Palmyra	Fluvanna	3
Forsyth, F. H.	Leesburg	Loudoun	1
Foster, R. W.	Brookneal	Campbell	5
Foster, T. T.	The Plains	Fauquier	1
Fouche, G. H.	Falls Church	Fairfax	1
Fowlkes, Brothers	Victoria	Lunenburg	4
Fox, Mr. & Mrs. W. S.	Round Hill	Loudoun	1
Frame, A. W.	Waynesboro	Augusta	2
Frantz, V. L.	Salem	Roanoke	6
Fray, C. M.	Barboursville	Albemarle	3
Free, W. R.	Nokesville	P. Wm.	1
Freeman, H. B.	Troutville	Botetourt	2
Friedrich, Dr.J.G.	Jefferson	Powhatan	7
Frost, G. H.	Gordonsville	Albemarle	3
Fry, George	F'burg	Spotsylvania	7
Frye, E. H.	Ridgeway	Henry	5
Futrelle, J., Jr.	Chancellor	Spotsylvania	7
Gaddy, C. D.	Roxbury	Chas. City	7
Gall, J. C.	Upperville	Fauquier	1
Gallagher, A. J.	Charlottesville	Albemarle	3
Galyen, G. H.	Hewlett	Caroline	7
Gamber, A. L.	Front Royal	Warren	1
Gander, H. M.	Luray	Page	1
Gann, P. M.	Greenwood	Albemarle	3
Garber, H. J.	Timberville	Rockingham	2
Garber, K. R.	Halifax	Halifax	4
Gardner, M. E.	Roanoke	Boutetourt	2
Garnett, E. N.	Mechums River	A'marle	3
Garrett, Hon. George A.	Marshall	Fauquier	1
Garrett, J. F.	Catharpin	P. William	1
Garrison, J. T.	Pamplin	Charlotte	4
Gatke, W. A.	Ashland	Hanover	7
Gatley, V. R.	Woodville	Culpeper	1
Gay, C. W.	Gordonsville	Orange	3
Gay, T. B.	Sabot	Goochland	7
Geddes, E. M.	Crozet	Albemarle	3
Gentry, G. T.	Eastham	Albemarle	3
Gentry, R. A.	Crozet	Albemarle	3
George, C. L.	Upperville	Fauquier	1
Gildersleeve, E.G.	Scottsville	Albemarle	3
Gill, H. L.	Moseley	Powhatan	7
Gill, T. A.	North View	Mecklenburg	4
Gilliam, W. J.	Hopewell	Chesterfield	7
Gilmer, M. G. & Sons	Lebanon	Russell	6
Glasgow, Miss Otelia M.	Buena Vista	R'bridge	2
Glave, H. E.	Richmond	Hanover	7
Gledhill, D. F. & Frances N.	Brown's C.	Albemarle	3
Glenwood Farms	The Plains	Fauquier	1
Glidewell, C. N.	Freeman	Brunswick	4
Glover, Mrs.M.E.	Locust Dale	Madison	1
Goodall, T. A.	Gordonsville	Orange	3
Goode & Driggs	Chase City	Mecklenburg	4
Goodloe, Judson	Gordonsville	Orange	3
Goodwyn, J. D.	Emporia	Greenville	4
Gordon, S. J.	Orange	Orange	3
Gorman, James	Culpeper	Culpeper	1
Gouldman, A. J.	Port Royal	Caroline	7
Goyne, E. W.	Chester	Chesterfield	7
Goyne, H. T., Sr.	Chester	Chesterfield	7
Graham, Joseph	Goshen	Rockbridge	2
Grasty, T. P.	Orange	Orange	3
Graves, C. T.	Sealston	King George	7
Graves, H. T. N.	Luray	Page	1
Graves, R. S. & Brothers	Syria	Madison	1
Gray, Garland	Waverly	Surry	4
Gray, J. H., Jr. & Son	Sebrell	Southampton	4
Gray, W. D.	Emmerton	Richmond	7
Graybill, C. L.	Buena Vista	R'bridge	2
Green, R. E.	Chase City	Mecklenburg	4
Greenaway, Leon T. & E. R.	Washington	R'hannock	1
Greene, J. C.	Richmond	Powhatan	7
Greenlaw, G.	F'burg	Spotsylvania	7
Gregory & Thompson	Chester	Chesterfield	7
Gregory, R.	Kenbridge	Lunenburg	4
Gregory, S.S.,Jr.	Java	Pittsylvania	5
Grelen Farm	Orange	Orange	3
Griffin, O. C.	Ivor	Southampton	4
Griffin, R. E.	Waynesboro	Augusta	2
Griffin, W. H.	Edgerton	Brunswick	4
Griffith, Dr.C.Y.	Erica	Westmoreland	7
Grizzard, Dr.J.J.	Branchville	Southampton	4
Grove, Conrad	Rockville	Henrico	7
Grove, Whitney	Forest	Bedford	5
Grove, Wilber	Staunton	Augusta	2
Guza, S. H.	Centralia	Powhatan	7
Gwathmey, Mr. & Mrs. A. B.	Orange	Orange	3
Gwyn, R.C.,Jr.	Marion	Smyth	6
Hagen, F. E.	Keswick	Albemarle	3
Hahn, J. & Mary	Mt. Solon	Augusta	2
Haley, E. F.	Keysville	Charlotte	4
Hall, Aubrey	Hanover	Hanover	7
Hall, C. O.	Keswick	Albemarle	3
Hallock, H. H.	Keswick	Albemarle	3
Hamlin, J.E.,Jr.	Lawrenceville	Brunswick	4
Hamlin, W. R.	Surry	Surry	4
Hanbury, F. H.	Farmville	P. Edward	4
Hancock, J. W.	Roanoke	Franklin	5
Haney, W. B.	Charlottesville	Albemarle	3
Hanger, P. B. & J. N.	Trevilians	Louisa	3
Hannabass, C. F.	Roxbury	Chas. City	7
Hanson, Mr. & Mrs. Elliott S.	Peola Mills	Madison	1
Harlow, Otho	Weyers Cave	Augusta	2
Harman, G. A.	Woolwine	Patrick	5
Harman, H. D.	Mt. Crawford	R'ham	2
Harmony Hills Farm	Bristol	Washington	5
Harnbarger, F.B.	C'tiansburg	M'tgomery	6

NAME	TOWN	COUNTY	AREA
Harnsberger, Miss Elizabeth	Elkton	Rockingham	2
Harper, B. L.	Dry Fork	Pittsylvania	5
Harper, W. W.	Monroe	Amherst	5
Harris, Mr. and Mrs. A. B.	Branchville	Southampton	4
Harris, Brig. Gen. A. R.	Warrenton	Fauquier	1
Harrison, J. L.	Appomaatox	Appomattox	5
Hart, A. D.	Union Level	Mecklenburg	4
Hart, Dennis	Cumberland	Cumberland	7
Hartz, B. L.	Hume	Fauquier	1
Harvey, Mr. & Mrs. Wm. S.	Earlysville	Albemarle	3
Hauser, A. A.	N. Bridge	Botetourt	2
Hawkes, J. A.	Church Rd.	Dinwiddie	4
Haynes, J. M.	Aldie	Loudoun	1
Heard, T.	The Plains	Fauquier	1
Hearst, Mrs.E.H.	Bristol	Washington	6
Heath, R. L., Jr.	Esmont	Albemarle	3
Hebblethwaite, Leon L.	Barboursville	Orange	3
Henderson, W.Y.	Victoria	Lunenburg	4
Henley, T. J.	Advance Mills	Greene	3
Henry, W. E.	Chester	Chesterfield	7
Herndon, R. T.	White Stone	Lancaster	7
Hickory Branch Farm	Herndon	Fairfax	1
Hickory Cove Fm.	Marion	Smyth	6
Hicks, Carl L.	Evington	Campbell	5
Hicks, E. H.	Arlington	Arlington	1
Higginbotham, T. L. & Sons	Sandidges	Amherst	5
Highland O'hards	Covesville	Albemarle	3
Hill, H. L.	Orange	Orange	3
Hinckley, Col. A.	Orlean	Fauquier	1
Hinegardner, J.A.	Midland	Fauquier	1
Hisey, W.E.,Jr.	Elkton	Rockingham	2
Hitt, M. J.	Rixeyville	Culpeper	1
Hodges, G. D.	Staunton	Augusta	2
Hodges, J. B.	Forest	Bedford	5
Hodges, J. B., Jr.	Forest	Bedford	5
Hoffman, J. S.	Griffinsburg	Culpeper	1
Hogue, R. B.	Charlottesville	Albemarle	3
Holland, Frank	Holland	Nansemond	4
Holmes, S. S.	Randolph	Halifax	4
Holmes, Mrs. S.S.	Randolph	Halifax	4
Holt, O. L.	Wakefield	Sussex	4
Holtzman, G. B.	Mt. Jackson	Shen'doh	1
Honts, G.E.,Jr.	Eagle Rock	Botetourt	2
Hoover, C. W.	McDowell	Highland	2
Hoover, L. D.	Timberville	Rockingham	2
Horween, R.	Keswick	Albemarle	3
Houston, C.B.,2nd	Woodstock	Shenandoah	1
Howards Neck Farm	Pemberton	Goochland	7
Huckle, Dr.J.J.	Charlottesville	Albemarle	3
Hudgins, G. R.	Beaverdam	Hanover	7
Hudgins, M. L.	Susan	Mathews	7
Hudson, L. B.	Java	Pittsylvania	5
Huff, C. & R.	C'tiansburg	Montg'ery	6
Huffer, H.C., Jr.	Newport, R. I.		
Huffman, O. G.	Catawba	Craig	6
Hughes, Dr. and Mrs. Thos. E.	Delaplane	Fauquier	1
Hundley, P., Jr.	Center Cross	Essex	7
Hunt, Billy	Nathalie	Halifax	4
Hunt, W. W.	Stephenson	Frederick	1
Hunter, C. K.	Appomattox	Appomattox	5
Hunting Creek Plantation	Clover	Halifax	4
Hurdle, E.B.,Jr.	Portsmouth	Norfolk	4
Hurt, Robert	Alberene	Albemarle	3
Hutcherson, W.R.	Gretna	Pittsylvania	5
Hutchinson & Spangler	Scottsville	Albemarle	3
Hutchinson, H.J.	Gretna	Pittsylvania	5
Hutchinson, Mrs. Margaret V.	Scottsville	Albemarle	3
Hutchinson, R. C.	Tappahannock	Essex	7
Hux, B. F.	Elberon	Surry	4
Hyatt, J. R.	Goode	Bedford	5

NAME	TOWN	COUNTY	AREA
Ingersoll, Ralph & Mary Hill	Castleton	R'hannock	1
Ingram, N. P.	Nathalie	Halifax	4
Irvng, F. D.	Cartersville	Powhatan	7
Jackson, L.	Winchester	Frederick	1
Jamison Farm	Harrisonburg	Rock'ham	2
Janney, J.D.	Washington	R'hannock	1
Jarratt, W. L.	Drewyville	Southampton	4
Jeffress, R. M.	Richmond	Henrico	7
Jenkins, E.	Millwood	Clarke	1
Jenkins, G. E.	Bedford	Bedford	5
Jennings, Dr.C.B.	Hillsville	Carroll	6
Johnson, C.E.,Jr.	Sperryville	R'hannock	1
Johnson, Dr.G.L.	Charlottesville	Albemarle	3
Johnson, (Miss) Lillie M.	Woodville	R'hannock	1
Johnson, R. N.	Hanover	Hanover	7
Johnson, S.	Carter's Bridge	Albe.	3
Johnston, E. R.	Rectortown	Fauquier	1
Johnston, Mont	Chase City	M'burg	4
Jones, C. D.	Union Level	M'burg	4
Jones, G.W.,Dr.	F burg	Spotsylvania	7
Jones, H. H.	Red Oak	Meck'burg	4
Jones, James T. & Sons	Blairs	Pittsylvania	5
Jones, L. W.	Partlow	Spotsylvania	7
Jones, P. R. & F.I. Hobbs	Fine Ck. Mills	Pow'tan	7
Jordan, E. A.	Bridgewater	R'ingham	2
Jurgens, Mr. & Mrs. C. H. S.	Flint Hill	R'hannock	1
Karicofe, O.	Afton	Nelson	3
Karicofe, S. N.	Churchville	Augusta	2
Karrk, J. H.	Clayville	Hanover	7
Keane, Donald	Proffit	Albemarle	3
Keck, T. A., Jr.	Chester	Chesterfield	7
Keister, J. P.	Harrisonburg	R'ingham	2
Keith, H.E.,Jr.	Willis	Floyd	6
Kelly, C. E.	Lone Fountain	Augusta	2
Kelsey, Gen B S	Springfield	Fairfax	1
Kempe, MrsWM	Orange	Orange	3
Kerrick, E. H.	Rixeyville	Culpeper	1
Kesler, W. F.	Riverton	Warren	1
Keyser, J. D.	Washington	R'hannock	1
Kibler, J. M.	Chase City	Mecklenburg	4
Kimble, L. A.	Roanoke	Roanoke	6
Kincaid, Dr.C.M.	Blacksburg	Montg'y	6
Kincheloe, J. G.	Fairfax	Fairfax	1
Kindley, Sam	Church Road	Dinwiddie	4
King, John L.	Washington, D. C.		
Kinney, J. S.	Appomattox	Appomattox	5
Kinsley, Mrs. Alan D.	Griffinsburg	Culpeper	1
Kinter, Dr. B. R.	Crandon	Bland	6
Kinzer, J. M.	Lynch Station	Campbell	5
Kinzer, L. A.	Shawver's Mill	T'well	6
Kiracofe, F. A.	Dayton	Rockingham	2
Kiser, G. A.	Gate City	Scott	6
Kizer, J. A.	Chase City	Charlotte	4
Kleis, Emma L. and M. H.	Edgerton	Brunswick	4
Knapp, L. C.	Winston	Culpeper	1
Knickerbocker, K. K.	Crozet	Albemarle	3
Kramer, D. G.	Delapiane	Fauquier	1
Kukucka, A.	Waverly	Sussex	4
Lackey, I. F.	Lexington	Roanoke	6
Lacy, C. H.	Orchid	Louisa	3
Lafferty, E.R.,Jr.	Lester Manor	K. Wm.	7
Lake, T. C.	Markham	Fauquier	1
Lange, Peter W.	Esmont	Albemarle	3
Langner, H. W.	Hylas	Hanover	7
LaPrelle, R.	Rural Retreat	Wythe	6
Lawrence, Col.C.	Cobham	Albemarle	3
Lawson, H. W. and J. W.	Saxe	Charlotte	4
Layne, H. R.	Crozier	Goochland	7
Lea & Stevens	Agricola	Amherst	5
Lebowitz, M. C.	McLean	Fairfax	1
Ledford, E. H.	Richmond	Henrico	7

MEMBERSHIP, ALPHABETICALLY (Continued)

NAME	TOWN	COUNTY	AREA
Leggett, F. B.	Danville	Halifax	4
Leonard, R. M.	Midland	Fauquier	1
Lewis, M. F.	Clarksville	Meck'burg	4
Liebert, Dr.H.S.	Callao	Northum'land	7
Lincoln, C.C.,Jr.	Marion	Smyth	6
Linday, J. N.	Brandy	Culpeper	1
Lippard, C. R.	Palmyra	Fluvanna	3
Lipscomb, S. R.	Leesburg	Loudoun	1
Litton, George	Blacksburg	Montg'y	6
Litton, Mr. & Mrs. Kenneth	Round Hill	Loudoun	1
Llewellyn, Paul	Rectortown	Fauquier	1
Lockhart, S. S.	Barboursville	Albe.	3
Loeffler, H. E.	Leesburg	Loudoun	1
Logan, J. L.	Salem	Botetourt	2
Lohr, Dr. V. J.	New Market	S'doah	1
Lone Oak Farm	Howardsville	Albemarle	3
Loth & Mehler	Waynesboro	Augusta	2
Loving, B. P.	Ashland	Hanover	7
Loving, J. W.	Culpeper	Culpeper	1
Luck, C. S., Jr.	Richmond	Henrico	7
Luck, J. N.	Ashland	Hanover	7
Luhnow, C. C.	Gordonsville	Orange	3
Ludwig, R. E.	Arlington	Arlington	1
Lux, Robert A.	Rapidan	Culpeper	1
Lynacre Farm	Fa'ls Church	Fairfax	1
Lynn Brae Farms	Catawba	Roanoke	6
McClanahan, R.	Covesville	Albemarle	3
McClenaghan, J. G.	Washington	R'hannock	1
McClenaghan, J. W.	Warrenton	Fauquier	1
McClenny, T. B.	Wakefield	Sussex	4
McConnell, R. E.	The Plains	Fauquier	1
McConnell, W.S.	Agricola	Amherst	5
McCormick, J.A.	Hartwood	Stafford	7
McCoy, T. C.	Chester	Chesterfield	7
McCoy, W. M.	Middleburg	Loudoun	1
McDonald, G.B.	Kimballton	Giles	6
McDonald, J. S.	Roanoke	Giles	6
McDonald, R. D.	Louisa	Louisa	3
McGhee, G. C.	Middleburg	Loudoun	1
McIntire, P. T.	White Post	Clarke	1
McKendree, Mr. & Mrs. C.S.,Jr.	Buena Vista	Rockbridge	2
McKenney, J. D.	Jetersville	Amelia	7
McKnight, H. T.	Vienna	Fairfax	1
McSpadden, W.B.	Chilhowie	Smythe	6
Macdonald, A. S.	Rapidan	Orange	3
Mahanes, C. O.	Charlottesville	Albemarle	3
Mahaney, A. R.	Kenbridge	Lunenburg	4
Main, Mr. & Mrs. H. F. G.	Purcellville	Loudoun	1
Malan, Dr.W.H.	Dublin	Pulaski	6
Mangus, A. W.	Vesuvius	Augusta	2
Mangus, Dr. L.	Vesuvius	Augusta	2
Marlow, Guy	Front Royal	Warren	1
Marshall, H. L. & Geo. H.	Louisa	Louisa	3
Martin, A. L.	Crewe	Nottoway	4
Mason, Mrs. J.D.	Radford	Montgomery	6
Mason, Meigs	Disputanta	P. George	4
Massey, R. B.	Vague	Westmoreland	7
Massey, Rosser	F'burg	Spotsylvania	7
Massie, J.H.,Jr.	Amherst	Amherst	5
Mast. C. C.	B'acksburg	M'gomery	6
Mathews, A. W.	Bentonville	Warren	1
Matthews, W. G.	Lawrenceville	Brunswick	4
May, Mrs. K. B.	Saluda	Middlesex	7
May, R. J.	Timberville	Rock'nam	2
Mays, D. E.	Sandidges	Amherst	5
Mays, H. P.	Sandidges	Amherst	5
Meadow Farm	Doswell	Caroline	7
Meander Farm	Locust Dale	Madison	1
Mechling, W.H.	Dogue	K. George	7
Meekins, J. W.	Cardinal	Mathews	7
Mehmel, D.	Gordonsville	Orange	3
Mehring, W.H.,Jr.	Covesville	Albemarle	3
Meinhardt, F.	Sandston	Henrico	7
Menefee, R. M.	Sperryville	R'hannock	1
Menken, Ada & Harold D.	Upperville	Loudoun	1
Meredith, A. R.	Lawrenceville	Brunswick	4
Merrick, T.B.,III	Gordonsville	Albemarle	3
Merritt, J. H.	Denniston	Halifax	4
Metcalf, J. L.	Darl. Hts.	P. Edward	4
Miley, H. O.	Raphine	Rockbridge	2
Miller, J.C.,Jr.	Brandy	Culpeper	1
Miller, R.G.,Jr.	Charlottesville	Albemarle	3
Miller, S. H.	Shadwell	Albemarle	3
Milliner, W. J.	Locustville	Accomac	7
Millner, Mrs. S. M., Jr.	Lexington	Rockbridge	2
Mirador	Greenwood	Albemarle	3
Mitchell, A. W.	Petersburg	Dinwiddie	4
Mitz, J. C.	F'burg	Spotsylvania	7
Monaghan, Paul	Middletown	Frederick	1
Monohan, L. J. & C. K. Smith	Wakefield	Sussex	4
Montague, Percy, Jr., Mrs.	Cobham	Albemarle	3
Montague, P. III	Charlottesville	Albemarle	3
Monte Flora Stock Farm	Altavista	Campbell	5
Mooers, E. H.	Lillian	Northumberland	7
Moon & Owen	Gretna	Pittsylvania	5
Mooney, R. D.	Charlottesville	Albe.	3
Mooney, R.D.,Jr.	Charlottesville	Albe.	3
Moore, J. M.	Staunton	Augusta	2
Moore, R. W. & Sons	Staunton	Augusta	2
Morefield, H. J.	Lynchburg	Campbell	5
Morgan, D. B.	Roanoke	Roanoke	6
Morgan, Mr. & Mrs. T. K.	Red Oak	Charlotte	4
Morgan, J.W.,Jr.	Dublin	Pulaski	6
Morgan, S. A.	Scottsville	Albemarle	3
Morris, W. M.	Appomattox	Ap'tox	5
Morris, Wm. M.	Richmond	Henrico	7
Morrison, W. L.	Staunton	Augusta	2
Morrow, C. A.	Winchester	Clarke	1
Morrowdale Farm	Charlottesville	Albe.	3
Morrow, C. A.	Winchester	Clarke	1
Morrowdale Farm	Charlottesville	Albemarle	3
Morse, A.E.,Jr.	Smithfield	Isle of W.	4
Morton, J. T.	Tyro	Nelson	3
Moss Neck Manor	F'burg	Spotsylvania	7
Moulton, G.F.,Jr.	Luray	Page	1
Moulton, W. R.	Luray	Page	1
Munford, G. L.	Wakefield	Sussex	4
Murphy, R.	Mt. Holly	Westmoreland	7
Murray, W. K.	Roanoke	Roanoke	6
Murro, R. M.	Castleton	R'hannock	1
Musselman, Mrs. Susan M.	Keswick	Albemarle	3
Nalle, MissE.R.	Somerset	Orange	3
Nash, Harry	Waynesboro	Augusta	2
Neale, C. T.	Gordonsville	Orange	3
Nelson, Mrs. K.	Sabot	Goochland	7
Nelson, R.H.,4th	Richmond	Henrico	7
Nesmith, F.H.,Jr.	Orange	Madison	1
Newton, H. J.	Chase City	Meck'lenburg	4
Neyhart, D.	Warrenton	Fauquier	1
Nilsen, P. A.	Bula	Goochland	7
Norment, J. B.	Sparta	Caroline	7
North Wales Farm	Warrenton	Fauquier	1
Oakes, A. F.	Gretna	Pittsylvania	5
Oakes, W. H. & Son	Dry Fork	Pittsylvania	5
Oas, Olaf	Waynesboro	Augusta	2
O'Bannon, J. H.	Woodville	R'hannock	1
Obenshain, A. J.	Troutville	Botetourt	2
O'Brien, W. F.	Bremo Bluff	Buck'ham	3
Oesterling, L. T.	Centreville	Fairfax	1
Onet, V. M.	Somerset	Orange	3
Orndoff, E. B.	Middletown	Frederick	1

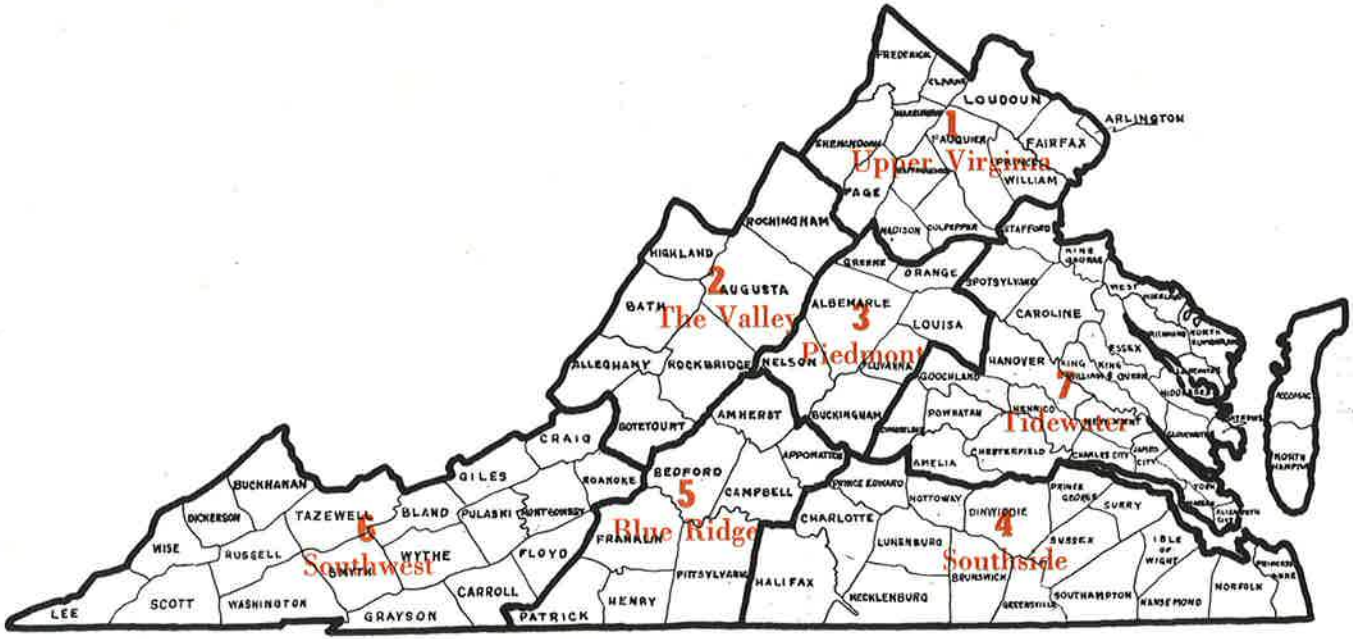
NAME	TOWN	COUNTY	AREA
O'Shea, H. M.	Lester Manor	King Wm.	7
O'Sullivan, J.	Brandy	Culpeper	1
O'Toole, J. V.	F'burg	Spotsylvania	7
Padgett, Carl	Amissville	Culpeper	1
Pancoast, J. W.	Purcellville	Loudoun	1
Parrish, I. L.	Estes	Rappahannock	1
Pascal, I. S.	Lynchburg	Bedford	5
Paxton, E. K.	Lexington	Rockbridge	2
Payne, W. M.	Beaverdam	Spotsylvania	7
Pedigo, Dr.W.D.	Pearisburg	Giles	6
Peirce, S. K.	Shadwell	Albemarle	3
Pendleton, E. B., Jr.	Cuckoo	Louisa	3
Penley, J. S.	Bland	Bland	6
Pennington, B. D. & Son	Brodnax	Brunswick	4
Perkinson, W. H.	Lawrenceville	B'wick	4
Person, G. J.	Emporia	Greenville	4
Peters, Mr. & Mrs. E. L.	Berryville	Clarke	1
Peters, H.T.,Jr.	Orange	Orange	3
Peters, L. R.	Roanoke	Roanoke	6
Petitt, G. E.	Amburg	Middlesex	7
Pettit, C. P.	Fredrick's Hall	Louisa	3
Pettit, J. A.	Roseland	Nelson	3
Pettus, R. H.	Keysville	Charlotte	4
Phelps, B. M.	Roanoke	Roanoke	6
Pierson, S. M.	Downings	Richmond	7
Pigg, M. G.	Spencer	Henry	5
Pittman, W. R.	Somers	Lancaster	7
Pollard, W. C.	Sterling	Loudoun	1
Powell, C. C.	Stuart	Patrick	5
Powell, Hampton	Lynch Station	C'bell	5
Powell, Marvin	Stanardsville	Albe.	3
Powell, W. C.	Big Island	Bedford	5
Powers, S. E.	Charlottesville	Albe.	3
Presque Isle Farm	Chester	Chesterfield	7
Price, J. F.	New Castle	Craig	6
Prieto, S. G.	Linden	Warren	1
Pronzato, C. A.	Gordonsville	Albe.	3
Pruett, J. R.	Culpeper	Culpeper	1
Pugh, H. J.	Culpeper	Culpeper	1
Pugh, J. J.	Madisonville	Charlotte	4
Pugh, Russell	Pamplin	Charlotte	4
Pulley, F.P.,Jr.	Waverly	Sussex	4
Pulliam, H. C.	Appomattox	Appomattox	5
Quaintance, Dr. J. O.	Griffinsburg	Culpeper	1
Rady, W. T.	Warrenton	Fauquier	1
Ramey, J. M.	Marshall	Fauquier	1
Ramsey, D.W.,Jr.	Sydnorsville	Franklin	5
Ramsey, E. W.	Esmont	Albemarle	3
Ramsey, G. C.	Front Royal	Warren	1
Randolph, A. K.	Keene	Albemarle	3
Randolph, L. D.	North Garden	A'marle	3
Raney, John	Freeman	Brunswick	4
Ray, E. J.	Hillsboro	Loudoun	1
Reeves, A.	Oilville	Goochland	7
Reibsamen, G.H.	Savedge	Sussex	4
Reid, Adam, Jr.	Lynchburg	Campbell	5
Reid, R. L.	Ruby	Stafford	7
Reid, W. S.	Lynnhaven	Pr. Anne	4
Renalds, R. R.	Timberville	Rockingham	2
Renick, D. C.	Williamsburg	J. City	7
Renner, C.H.,Jr.	Catharpin	Pr. Wm.	1
Reuter, Dr.F.A.	Aldie	Loudoun	1
Revis, S. H.	Charlottesville	Albemarle	3
Reynolds, C. L.	Charlottesville	Albe.	3
Rhudy, H. A.	Elk Creek	Grayson	6
Richardson, F.I.	Martinsville	Henry	5
Richmond, C.F.	Crozier	Goochland	7
Riddleberger, F. M.	Shelby	Madison	1
Rider, V. D.	Gordonsville	Albemarle	3
Rider, V. D., Jr.	Flora, Ind.		
Ridgwell, W. H.	Covesville	Albemarle	3
Riley, J.W.&Sons	Staunton	Augusta	2

NAME	TOWN	COUNTY	AREA
Rives, Anthony	Cobham	Albemarle	3
Rixey, Barbour	Gordonsville	Albemarle	3
Roberts, L. W.	Ashland	Hanover	7
Robertson, C. B., Jr.	Chase City	Meck'burg	4
Robertson, C. B., Jr.	Point Breeze	Mathews	7
Robertson, J. B. & E. T.	Hurt	Pittsylvania	5
Robertson, J. M.	Lynchburg	Campbell	5
Robinson, D. A.	Charlottesville	Albe.	3
Robinson, Mr. & Mrs. F. L., Jr.	Lindsay	Albemarle	3
Rocca, L. J.	Herndon	Fairfax	1
Rock, F. D.	Somerset	Orange	3
Rodes, S. T.	Nellys Ford	Nelson	3
Rodman, W. L.	Ontario, Canada		
Rohdenburg, Hans C.	Ira, S. C.		
Rosebrook, J. B.	Carter's Bridge	A'marle	3
Rosenberger, I.M.	Jeffersonton	Culpeper	1
Ross, O.B.&Sons	Amherst	Amherst	5
Rowland, O. L.	Litwalton	Lancaster	7
Ruble, C. W.	Lexington	Rockbridge	2
Rucker, A.M.,Jr.	F'rick's Hall	Louisa	3
Rucker, B.A.,3rd	Eastham	Albemarle	3
Rucker, J. & L.	Eastham	Albemarle	3
Rucker, J. W.	Delaplane	Fauquier	1
Runk, B. F. D.	Charlottesville	Albemarle	3
Runnels, Mr. & Mrs. J. E., Jr.	Weyers Cave	Augusta	2
Runyon, B. H.	Alexandria	Fairfax	1
Russell, F. M.	Aldie	Loudoun	1
Rutledge, I. D.	Red Oak	Charlotte	4
Rutledge, W. T.	Chase City	Mecklenburg	4
Sackett, A. J.	Shirley	Charles City	7
Salubria Farm	Stevensburg	Culpeper	1
Sanderson, J. W.	Hollins	Roanoke	6
Sanford, H. F.	Prince George	P. Geo.	4
Saunders, Mr. and Mrs. F.	Snell	Spotsylvania	7
Saunders, J. M.	Arrington	Nelson	3
Saunders, Miss J.	Richmond	Goochland	7
Saunders, P. M.	Arrington	Nelson	3
Scales, R. E.	Disputanta	Pr. Geo.	4
Scearce, P. J.	Danville	Pittsylvania	5
Schey, Ira M.	Ivy	Albemarle	3
Schwerin, J.	Forest	Bedford	5
Scott, F. P.	Warren	Albemarle	3
Scott, J. W.	Paris	Fauquier	1
Scott, T. A.	Saxe	Charlotte	4
Seely, W. C.	Waverly	Sussex	4
Selden, H. W.	Richmond	Hanover	7
Settle, W. B.	Rawlings	Brunswick	4
Settle, W. F.	Meredithville	Brunswick	4
Shafer, H. S.	Roanoke	Roanoke	6
Shanaberger, F. W.	Farmville	Pr. Edward	4
Shank, H. H.	Louisa	Louisa	3
Shannon, S.L.,Jr.	Fredericksburg	S'vania	7
Shapard, H. H.	Halifax	Halifax	4
Shelton, J. W.	Halifax	Halifax	4
Shield, J. A., Dr.	Sabot	Goochland	7
Shirkey, E. E.	Bridgewater	Rockingham	2
Shoffner, R.	Charlottesville	Albemarle	3
Shryock, F. A.	Winchester	Frederick	1
Siegfried, J.W.,Jr.	Columbia	Fluvanna	3
Sigman, Col.J.P.	Reva	Culpeper	1
Simms, L. E.	Salem	Roanoke	6
Simpson, Alec	Keene	Albemarle	3
Simpson, R. R.	Long Island	P'sylvania	5
Skinker, B. M.	Rap. Acad.	Spotsylvania	7
Slusser, W. O.	Fincastle	Botetourt	2
Small, J. H.	Gordonsville	Orange	3
Smiley, Mr. & Mrs. D. H.	Leesburg	Loudoun	1
Smith, A.L.&Son	Holdcroft	Chas. City	7
Smith, D. A.	Greenwood	Albemarle	3
Smith, D. T.	Front Royal	R'hannock	1
Smith, G. P.	Woodford	Caroline	7

NAME	TOWN	COUNTY	AREA
Smith, Dr. G. H.	Winchester	Frederick	1
Smith, H. M.	Warsaw	Richmond	7
Smith, Dr. J. C.	Charlottesville	Albemarle	3
Smith, J. H.	Whitestone	Lancaster	7
Smith, J. E.	Supply	Essex	7
Smith, P.L.&Son	Emporia	Greenville	4
Smith, R. M.	Kenbridge	Lunenburg	4
Smith, Dr. R. O.	Pulaski	Pulaski	6
Smith, R. R.	N. Garden	Albemarle	3
Smith, V. O.	Ladysmith	Caroline	7
Smith, V. W.	Vienna	Fairfax	1
Smith, W.J.&Son	Culpeper	Culpeper	1
Snead, B. C.	Kenbridge	Lunenburg	4
Snead, Mr. & Mrs. W. S.	N. Garden	Albemarle	3
Sneade, W. F.	Rawlings	Brunswick	4
Snow, T. N., Jr.	Clover	Halifax	4
Snyder, Mrs. R. C. & G.G.Cole	Aldie	Loudoun	1
Snyder, W. P. & Anne D.	Gainesville	Prince W.	1
Solomon, Jack	Gainesville	Pr. Wm.	1
Southall, T.P.,Jr.	Waynesboro	Augusta	2
Spangler Farms	Harrisonburg	R'ham	2
Sparks, R.W.,Jr.	Orange	Madison	1
Spaulding Farm	Chase City	Mecklenberg	4
Speiden, E. C.	Charlottesville	Albemarle	3
Spencer, Charles	Buckingham	B'ham	3
Spicer, L. C.	Mineral	Louisa	3
Spigle, Moyer	Hollins	Roanoke	6
Spillman, W. A.	Index	King George	7
Spillman, W. A. & Sons	Brandy	Culpeper	1
Spivey, J. L.	Richmond	Powhatan	7
Sprigg, R. G.	Fairfax	Fairfax	1
Sproul, H.B.,Jr.	Staunton	Augusta	2
St. Emma Ind. & Agri. Inst.	Rock Castle	Powhatan	7
Stanberry, Pete	Marshall	Fauquier	1
Stanton, J. V.	Haymarket	Prince W.	1
Steele, Dr.B.W.	Mullens, W. Va.		
Steele, J. A.	Culpeper	Culpeper	1
Steger, T. R.	Charlottesville	Albemarle	3
Stevens & Co.	Charlottesville	Albemarle	3
Stokely, Col.C.C.	Charlottesville	Albemarle	3
Stone, C. C.	Rocky Mount	Franklin	5
Stone, Lt. Gen. Charles, III	Washington, D. C.		
Stork, James	Charlottesville	Albe.	3
Strauss, L. L.	Brandy	Culpeper	1
Strickler, E. F.	Fincastle	Botetourt	2
Stuart, C. E., Jr.	Montross	West'land	7
Stumpf, J. T.	Rapidan	Culpeper	1
Suhling, W.G.,Jr.	Walkerford, Va.	Am'st	5
Sutherland, D.	Warrenton	Fauquier	1
Swecker, J. P.	Hillsboro	Loudoun	1
Sweet Briar College Farm	Sweet Briar	Amherst	5
Swift, Stuart	Buckner	Louisa	3
Taliaferro, A.B.	Hustle	Essex	7
Taliafferro, Mr. & Mrs. W. R.	Rapidan	Culpeper	1
Tappero, M. J.	Randolph	Halifax	4
Tarry, W. B.	Brookneal	Campbell	5
Tate, J. D.	Staunton	Augusta	2
Tate, W. C.	Red Oak	Charlotte	4
Taylor & Blanton	Penola	Caroline	7
Taylor, C.G.,Jr.	Carter's Bridge	A'marle	3
Taylor, E. M.	Lynchburg	Campbell	5
Taylor, F. G.	Rapidan	Orange	3
Taylor, G. E.	Washington, D. C.		
Taylor, H. L. and Son	Ruther Glen	Caroline	7
Taylor, J. E.	Orange	Orange	3
Taylor, M. I.	Richmond	Hanover	7
Taylor, R. B.	Onancock	Accomac	7
Terrill, Miss J.	Keswick	Albemarle	3
Terrill, W. M.	Orange	Orange	3
Terry, W. N.	Danville	Pittsylvania	5
Terry, W. P.	Ringgold	Pittsylvania	5
Thomas, C. R.	Charlottesville	Albemarle	3
Thomas, Col. K.	Cowart	North'land	7
Thomas, Owen and Sons	Round Hill	Loudoun	1
Thompson, C. S.	Radford	Montgomery	6
Thompson, J. S. & Son	Danville	Pittsylvania	5
Thompson, M. C.	Cardinal	Mathews	7
Thomson, J. M.	Gaylord	Clarke	1
Thorne, H. F.	Charlottesville	Albemarle	3
Thornton, R.	Atlantic	Accomac	7
Tinsley, Mr. & Mrs. J. R.	Rapidan	Culpeper	1
Toms, E. W.	Afton	Albemarle	3
Towsend, G. O.	Manquin	King Wm.	7
Townsend, J. H.	Eastham	Albemarle	3
True, E. R., Jr.	Berryville	Clarke	1
Tucker, Mr. & Mrs. Ed. B.	McKenney	Brunswick	4
Tucker, R. O.	Warrenton	Fauquier	1
Tucker, W. O. & Sons	Amherst	Amherst	5
Tufton	Charlottesville	Albemarle	3
Turnbull, Knox	Shadwell	Albemarle	3
Turner, E. H. & Phil	Trevilians	Louisa	3
Turner, L. W.	Forest	Bedford	5
Tweedy, Mrs. Marvin C.	Concord	Campbell	5
Twin Maple Farm	Mineral	Louisa	3
Tyree, C. T.	Altavista	Campbell	5
Underwood, Mr. & Mrs. G. T.	Gainesville	Prince Wm.	1
Valiska Brothers	Disputanta	Prince Geo.	4
Van Deusen, Dr. Orville	Front Royal	Warren	1
Van Nort, Harry	Nokesville	Prince Wm.	1
Vaughan, D. C.	Rocky Mount	Franklin	5
Vaughan, J. D.	Keysville	Charlotte	4
Venable, G. C.	Rustburg	Campbell	5
Vought, D. W.	Sweet Hall	K. Wm.	7
W & R Farm	Eastham	Albemarle	3
Waid, F. T.	Fincastle	Botetourt	2
Wakeman, T. J.	Christiansburg	M'gomery	6
Walburg, H. E.	Gordonsville	Orange	3
Walker, B. L.	Chase City	Mecklenburg	4
Walker, Mrs. B.	Hanover	Hanover	7
Walker, G.W.,Jr.	Portsmouth	Norfolk	4
Walker, J. F.	Norfolk	Norfolk	4
Walls, P. E.	Charles City	C. City	7
Walter, C. R.	Amissville	Rap'hannock	1
Walton, F. H.	Orange	Orange	3
Walton, J. N.	Catlett	Fauquier	1
Walton, R. B.	Amelia	Amelia	7
Wampler, C. W.	Harrisonburg	Rockingham	2
Ward Farms	Amelia	Amelia	7
Ward, H. R., Jr.	Chase City	Lunenburg	4
Warren, Jim E. & Joe H.	South Hill	Meck'berg	4
Watkins, WBJr	Boyce	Clarke	1
Watkins, W. B.	Berryville	Clarke	1
Watts, William	Roanoke	Roanoke	6
Waynesboro Nurseries	Waynesboro	Augusta	2
Weaver, A. W.	Norfolk	Prince Ed.	4
Weaver, R. E.	Rocky Mount	Franklin	5
Weaver, Ralph & Ray	Stuarts Draft	Rockbridge	2
Webb, J. M.	Kenbridge	Lunenburg	4
Webber, W.S.,Jr.	Ashland	Hanover	7
Weeks, J. E.	Warrenton	Fauquier	1
Weesner, R. P.	Greenwood	Albemarle	3
Wegner, H. G.	Weedonville	K. Geo.	7
Welchlin, Willie	Farmville	Prince Ed.	4
Wells, Mrs.T.L.	The Plains	Fauquier	1
Welton, Mrs.J.W.	Rockville	Goochland	7
Wertz, Mr. & Mrs. F. L.	Thaxton	Roanoke	6
Westcott, M. R.	Falls Church	Fairfax	1

MEMBERSHIP, ALPHABETICALLY (Continued)

NAME	TOWN	COUNTY	AREA
Westenberger, F. E.	Haymarket	Prince Wm.	1
Wetsel, W. H.	Locust Dale	Madison	1
Whaley, J. W.	Hanover	Hanover	7
Wheat, R. W.	Larton	Buckingham	3
Wheeler, C. E.	Waverly	Sussex	4
Wheeler, Miss Ellen R.	Boyce	Clarke	1
Wheeler, M. L.	Bedford	Bedford	5
White, Miss J. Elizabeth	Leesburg	Loudoun	1
White, J. C.	Sutherlin	Halifax	4
White, Jere T.	Winston	Culpeper	1
White, Leslie T.	Chisford	West'land	7
White, W. Rodes	Keswick	Albemarle	3
Whittemore, R.B.	Long Island	Campbell	5
Wieboldt, E.F., Jr.	Covesville	Albemarle	3
Wildman, J. M	Skipwith	Mecklenburg	4
Wiley, K. B.	Earlysville	Albemarle	3
Wilkerson, J. N.	Prospect	Prince Edward	4
Wilkins, Mr. and Mrs. J. H., Jr.	Remington	Fauquier	1
Wilkinson, J. T.	Chilhowie	Smyth	6
Williams, D. F.	Alberta	Brunswick	4
Williams, G. D.	Comorn	King George	7
Williams, H. H.	Alberta	Brunswick	4
Williams, J. C.	Ivy	Albemarle	3
Williams, L. L.	Courtland	South'ton	4
Williams, L. M.	Rapidan	Orange	3
Williams, Dr. P. A.	Rapidan	Culpeper	1
Williams, Wray	Sealston	King George	7
Wilkie, Mr. & Mrs. E. E.	Bluemont	Loudoun	1
Wills, R. M.	Littleton	Sussex	4
Wilson, G., Jr.	Staunton	Augusta	2
Wilson, R. G.	Skipwith	Mecklenburg	4
Wilson, R. T.	Glen Allen	Hanover	7
Winckler's Stock Farm	LaCrosse	Mecklenburg	4
Windridge, F. N.	Arlington	Arlington	1
Wineow, T. L.	Alexandria	Fairfax	1
Wire, C. R.	Washington	R'hannock	1
Womeldorf, W.H.	Lexington	Rockbridge	2
Woodard, A.	Branchville	South'ton	4
Woodard, W. W., Jr.	Beaverdam	Hanover	7
Woodriff, J. I.	Somerset	Orange	3
Woodruff, A. C.	Wytheville	Wythe	6
Woodson, D. G.	Glasgow	Rockbridge	2
Woore, L. E.	Clearbrook	Frederick	1
Worsham, H. R.	Gretna	Pittsylvania	5
Wright, D. E.	Vinton	Bedford	5
Wright, J. D.	Carrsville	Isle of Wight	4
Wright, J. E.	Staunton	Augusta	2
Wright, L. R.	Hopewell	Prince George	4
Wright, L. W.	Winchester	Frederick	1
Wyatt, L. R.	Danville	Pittsylvania	5
Yancey, H. H.	Alberta	Brunswick	4
Yates, E. F.	Powhatan	Powhatan	7
Yates, J. E.	Huntly	Rappa'nock	1
Young, Mrs A M	Charlottesville	Albe.	3
Young, L. H.	Vienna	Fairfax	1
Young, M. B.	Ruther Glen	Caroline	7
Yount, G. E.	Staunton	Augusta	2
Yount, S. W.	Waynesboro	Augusta	2
Yowell, A. W. & Sons	Peola Mills	Madison	1
Zimmerman, H. W.	Columbia	Cumberland	7
Zito, Frank J.	Aldie	Loudoun	1
Zito, P. and S.	Aldie	Loudoun	1


1
Upper Virginia
2
The Valley
3
Piedmont
4
Southside
5
Blue Ridge
6
Southwest
7
Tidewater
FREDERICK
CLARKE
LOUDOUN
ARLINGTON
SHENANDOAH
FAUQUIER
FAIRFAX
WARREN
PRINCE WILLIAM
PAGE
ROCKINGHAM
MADISON
CULPEPPER
STAFFORD
KING GEORGE
HIGHLAND
GREENE
ORANGE
SPOTSYLVANIA
WEST MORELAND
AUGUSTA
BATH
ALBEMARLE
CAROLINE
LOUISA
ESSEX
ALLEGHANY
ROCKBRIDGE
NELSON
FLUVANNA
HANOVER
KING WILLIAM
KING & QUEEN
GOOCHLAND
MIDDLESEX
ACCOMAC
AMHERST
BUCKINGHAM
POWHATAN
HENRICO
NORTHAMPTON
BOTETOURT
CRAIG
APPOMATTOX
CHESTERFIELD
CHARLES CITY
JAMES CITY
AMELIA
BEDFORD
ROANOKE
CAMPBELL
PRINCE EDWARD
PRINCE GEORGE
YORK
BUCHANAN
GILES
NOTTOWAY
DINWIDDIE
SURRY
DICKERSON
TAZEWELL
BLAND
PULASKI
MONTGOMERY
CHARLOTTE
FRANKLIN
LUNENBURG
SUSSEX
ISLE OF WIGHT
WISE
RUSSELL
WYTHE
FLOYD
SMYTH
BRUNSWICK
PITTSYLVANIA
HALIFAX
CARROLL
HENRY
MECKLENBURG
GREENSVILLE
SOUTHAMPTON
NANSEMOND
NORFOLK
LEE
SCOTT
WASHINGTON
GRAYSON
PATRICK

MEMBERSHIP BY AREAS

SEE ALSO MEMBERSHIP, ALPHABETICALLY

VIRGINIA ABERDEEN-ANGUS ASSOCIATION

1—UPPER VIRGINIA

ARLINGTON COUNTY

Hicks, Ernest H. .....Arlington
Ludwig, Robert E. .....Arlington
Windridge, Fred N. .....Arlington

CLARKE COUNTY

Bowles, W. Lodge .....Boyce
Dart, Russell B. .....Berryville
Dougherty, Col. Graham .....Berryville
Woodley Farm
Jenkins, Edward .....Millwood
Red Gate Farm
McIntire, Philip T. .....White Post
Morrow, Charles A. .....Winchester
Rose Hill Farm
Peters, Mr. & Mrs., E. L. .....Berryville
Crest View Angus Farm
Thomson, James M. .....Gaylord
True, E. R., Jr. .....Berryville
Limestone Farm
Watkins, W. Bell, Jr. ..... Boyce
Chanticleer
Watkins, William Bell .....Berryville
Annfield Plantation
Wheeler, Miss Ellen R. .....Boyce

CULPEPER COUNTY

Ankers, Mr. & Mrs. Marvin .....Brandy
Battle, Mrs. George Gordon .....Rapidan
Billingsley, A. G. .....Lignum
Button, Joseph .....Rixeyville
Campbell Estates, Inc. .....Stevensburg
Sherwood Farms
Carey, Lt. Col. & Mrs. Thomas J. ..Elkwood
LaGrange Farm
Carrington, Paul W. .....Brandy
Liberty Hall
Clark Ranch .....Warrenton
Rae Giersdorf, Mgr.
Covington, Alfred B. .....Alexandria
Dyer, J. M. .....Culpeper
Pleasant Hill Farm
Ellett, Mr. and Mrs. A. C. .....Rixeyville
Elleslie Farm
Fitzhugh, P. T. .....La Grange
Fitzhugh Brothers
Gatley, V. R. .....Woodville
Gorman, James .....Culpeper
Hitt, M. J. .....Rixeyville
Hoffman, James S. .....Griffinsburg
Rillshurst Farms
Kerrick, Everett H. .....Rixeyville
Pee Dee Farms
Kinsley, Mrs. Alan D. .....Griffinsburg
Over-The-Hills Farm
Knapp, Lester C. .....Winston
Morton Hall Farm
Linday, J. N. .....Brandy
Loving, J. Walton .....Culpeper
Green Valley Farm
Lux, Robert A. .....Rapidan
Sunnyview Farm
Miller, J. C., Jr. .....Brandy
Beauregard Stock Farm
O'Sullivan, Jerry .....Brandy
Willow Glen Farm
Padgett, Carl L. ..... Amissville
Carlola
Pruett, John Raymond .....Culpeper
Pugh, Herbert J. ....Culpeper
Quaintance, Dr. J. O. .....Griffinsburg
Quaint Acres Farm
Rosenberger, Irving M. .....Jeffersonton
Sigman, Col. J. P., USMC .....Reva
Blue View Farm
Salubria Farm .....Stevensburg
Mrs. George L. Harrison
Smith, William J. and Son .....Culpeper
Spillman, W. A. & Sons .....Brandy
Steele, John Angus .....Culpeper
Maplewood Farm
Strauss, Lewis L. .....Brandy
Brandy Rock Farm
Stumpf, J. T. .....Rapidan
Fairway
Taliaferro, Mr. & Mrs. W. R. .....Rapidan
Spring Hill Farm
Tinsley, Mr. & Mrs. J. R. .....Rapidan
Spring Hill Farm
White, Jere T. .....Winston
Williams, Dr. P. A. .....Rapidan
Springfield Farm

FAIRFAX COUNTY

Anderson, Curtis E. .....Herndon
Banks, F. M. .....Clifton
Spring Hill Farm
Clarke, Owen W. .....Vienna
Clement, C. E. .....Clifton
Clemoak Farm
Doak, Marshall A. .....Clifton
Fifer, Dr. C. L. .....Alexandria
Mt. Eagle Estates
Fouche, George H. .....Falls Church
Hickory Branch Farm .....Herndon
Walter T. Skallerup, Jr.
Kelsey, Gen. B. S. .....Springfield
Kincheloe, J. Gordon .....Fairfax
Lebowitz, M. C. .....McLean
The Beeches
Lynacre Farm .....Falls Church
The Johnsons
McKnight, Henry T. .....Vienna
Cornwell Farm
Oesterling, Leroy T. .....Centreville
Rocca, Leo J. .....Herndon
Hollybrook Farm
Runyon, B. H. .....Alexandria
Smith, Verlin W. .....Vienna
Sprigg, Roger B. .....Fairfax
Westcott, M. R. .....Falls Church
Elysian Farms
Wineow, John L. .....Alexandria
Young, Lehman H. .....Vienna

FAUQUIER COUNTY

Albrecht, Cyril E. .....Warrenton
Rock Springs Farms
Altemus, Mr. & Mrs. G. Edward ...Marshall
Beane, Bud .....Catlett
Gaylor, Aubrey .....Rectortown
Chambers, Melvin H. .....Midland
Conkey, Henry P. .....Middleburg
Greenway
Connors, Eugenia D. .....Warrenton
Candy Meadow Farm
Cotnareanu, Mr. & Mrs. Leon ...Warrenton
Le Baron Farm
Cutting, Col. George W. .....Warrenton
Fenton
Davenport, Robert C. .....Delaplane
Denby, James O. .....Warrenton
Gatewood Farm
Eastham, B. G. .....Warrenton
Spring Hill
Foster, T. Turner .....The Plains
Glenville
Gall, John C. .....Upperville
Amandale Farm
Garrett, Hon. George A. .....Marshall
Chilly Bleak Farm

FAUQUIER (Continued)

George C. L., Manager .....Upperville
Amandale Farm
Glenwood Farm .....The Plains
W. H. Osborn
Harris, Brig. Gen. Arthur R. .....Warrenton
Clovercroft
Hartz, B. L. .....Hume
Crest Hill Farm
Heard, Townsend .....The Plains
Grasslands Farm
Hinckley, Col. Albert .....Orlean
Henchman's Lea
Hinegardner, J. A. .....Midland
Pleasant Hill Farm
Hughes, Dr. & Mrs. T. E. .....Delaplane
Aspen Dale Farm
Johnston, Edward R. .....Rectortown
Holiday Farm
Kramer, Dave G. .....Delaplane
Briar Hill Farm
Lake, T. C. .....Markham
Leonard, R. M. .....Midland
Llewellyn, Paul .....Rectortown
Pen-Y-Bryn
McClenaghan, J. W. .....Warrenton
McConnell, R. E. .....The Plains
Green Pastures
Neyhart, Dorothy .....Warrenton
North Wales Farm .....Warrenton
Walter P. Chrysler
Rady, William T. .....Warrenton
Ramey, J. M. .....Marshall
Grafton Farm
Rucker, John W. .....Delaplane
Hill Crest Farm
Scott, John W. .....Paris
Sky Meadows Farm
Stanberry, Pete .....Marshall
Sutherland, Dave, Mgr. .....Warrenton
Le Baron Farm
Tucker, Ralph O. .....Warrenton
Walton, J. N. .....Catlett
Weeks, J. E., Herdsman .....Warrenton
Candy Meadow Farm
Wells, Mrs. Thomas L. .....The Plains
Wilkins, Mr. & Mrs. John H., Jr., Remington
Chestnut Lawn

FREDERICK COUNTY

Anderson, W. P. .....Winchester
Armstrong, Frank, Jr. .....Winchester
Blake, Ivan R. .....Cross Junction
Carter, Allen E. .....Stephen's City
Copenhaver, Edward C. .....Winchester
Edwards, E. Stanley .....Gainsboro
Hunt, Wilkie W. .....Stephenson
Jackson, L. .....Winchester
Monaghan, Paul .....Middletown
Fair Meadows Farm
Orndoff, E. B. .....Middletown
Monte-Vista Farm
Shryock, F. A. .....Winchester
Smith, Dr. George H. .....Winchester
Woore, Loring Edgar .....Clearbrook
Wright, Leonard W. .....Winchester
East Ridge Farm

LOUDOUN COUNTY

Archbold, A. E. .....Upperville
Glenloch Farm
Averill, Robert M. .....Luckets
Riverside Farm
Beasley, Martin L. .....Sterling
Benedict, Dr. W. S. .....Sterling
Blevins, Dr. L. H. .....Aldie
Cub Run Farms
Burrows, John S. .....Upperville
Carmichael, J. H. .....Leesburg
Four-J-Hill Farm
Crane, Brig. Gen. Wm. G. .....Leesburg
Kingdom Farm
Cushman, Charles V. B. .....Upperville
Windsor Farm
Duer, Beverly .....Leesburg
Woodburn Farm
Forsyth, F. Howard .....Leesburg
Fox, Mr. & Mrs. Walter S. .....Round Hill
Highlands Farm
Haynes, J. Marvin .....Aldie
Courtland Farm
Lipscomb, S. Ross .....Leesburg
Litton, Mr. & Mrs. Kenneth .....Round Hill
Kelton Farm
Loeffler, H. E. .....Leesburg
Greenway Farm
McCoy, W. Milton .....Middleburg
Broad Hollow Farm
McGhee, George C. .....Middleburg
Farmer's Delight Farm
Main, Mr. & Mrs. H. F. G. .....Purcellville
Lost Corner Farm
Menken, Ada and Harold D. .....Upperville
Pancoast, J. W. .....Purcellville
Pollard, William C. .....Sterling
Ray, Edward J. .....Hillsboro
Rolling Hill Farm
Reuter, Dr. Frederick A. .....Aldie
Bull Run Farm
Russell, Frank M. .....Aldie
Smiley, Mr. & Mrs. D. Hunter .....Leesburg
Snyder, Mrs. Ruth C. & G. Grace Cole
Hickory Hill Farm .....Aldie
Swecker, J. Preston .....Hillsboro
Thomas, Owen & Sons .....Round Hill
White, Miss J Elizabeth .....Leesburg
Willkie, Mr. and Mrs. E. E. .....Bluemont
Zito, Frank J. .....Aldie
High Hill Farms
Zito, Peter and Stephen .....Aldie
Mill Race Farm

MADISON COUNTY

Altland, Richard, Herdsman .....Locust Dale
Meander Farm
Armstrong, Frank .....Haywood
Gilnockie
Blankenbaker, C. F. .....Haywood
Bruce, Alex, Herdsman .....Haywood
Gilnockie
Clore, Lucian W. .....Madison
Colvin, H. F. .....Wolftown
Cornwell, Harvey, Mgr. .....Haywood
Gilnockie
Glover, Mrs. Marion E. .....Locust Dale
Bending River Farm
Graves, R. S. Brothers .....Syria
Hanson, Mr. & Mrs. Elliott S. ...Peola Mills
Valley Farm
Meander Farm .....Locust Dale
Nesmith, F. H. Jr. .....Orange
Edgewood Farms
Riddleberger, F. M. .....Shelby
Sparks, Robert W., Jr. .....Orange
Wetsel, William H. .....Locust Dale
Berry Hill
Yowell, A. W. and Sons .....Peola Mills

PAGE COUNTY

Gander, H. M. .....Luray
Graves, H. T. N. .....Luray
Shawnee Farms
Moulton, Gail F., Jr. .....Luray
Moulton, W. R. .....Luray

PRINCE WILLIAM COUNTY

Bocock, Dr. Edgar A. .....Bristow
Brenizer, W. Spencer .....Gainesville
Coyne, Charles D. .....Gainesville
Free, W. R. .....Nokesville
Countryside Farm
Garrett, John F. .....Catharpin
Mt. Pleasant Farm
Renner, Charles H., Jr. .....Catharpin

1—UPPER VIRGINIA (Continued)

PRINCE WILLIAM COUNTY (Continued)

Solomon, Jack ..... Gainesville
Snyder, W. P. and Anne D. .....Gainesville
Stanton, J. Vincent .....Haymarket
Green Hill Farm
Underwood, Mr. and Mrs. George T.
Cedar Lane Farm .....Gainesville
Van Nort, Harry .....Nokesville
Westenberger, F. E. .....Haymarket
Belted Fields

RAPPAHANNOCK COUNTY

Brown, Rodes .....Sperryville
Browning, John S. .....Flint Hill
Buckner, John S. .....Sperryville
Campbell, W. C. .....Washington
Combs, Earl B. .....Woodville
Mountain View Farm
Fletcher, J. W. .....Sperryville
Thornton Hill Farm
Greenaway, Leon T. & Eleanor R. Washington
Leeway Farm
Ingersoll, Ralph & Mary Hill .....Castleton
Castleton Farms
Janney, J. D. .....Washington
Johnson, C. E., Jr. .....Sperryville
Johnson, Miss Lillie M. .....Woodville
Jurgens, Mr. and Mrs. C. H. S. ..Flint Hill
High Meadow Farm
Keyser, J. D. .....Washington
McClenaghan, J. G. .....Washington
Thunderhead Farm
Menefee, R. M. .....Sperryville
Murro, R. M. .....Castleton
Mont Elery Farm

O'Bannon, J. Hill .....Woodvill
Clover Hill Farm
Parrish, I. L. .....Estes
Smith, Douglas T. .....Front Royal
Fodderstack Farm
Walter, C. R. .....Amissvill
Wire, C. Raymond .....Washingto
The Shade
Yates, James E. .....Huntly
Mt. Ida Farm

SHENANDOAH COUNTY

Bowman, W. Fred .....Mt. Jackso
Coffman, William L. .....Toms Broo
River Mount Farm
Fishburn, John T. .....Woodstock
Holtzman, George B. .....Mt. Jackson
Houston, C. B. 2nd .....Woodstoc
Spring Oak Farm
Lohr, Dr. Vernon J. .....New Marke
Angus Hills Farm

WARREN COUNTY

Collins, W. E. .....Front Roy
Cliff View River Farm
Ferguson, Forrest E. .....Middletow
Shenandoah Farm
Gamber, Alfred L. .....Front Royal
Kesler, William F. .....Riverton
Marlow, Guy .....Front Roy
Interdale Farm
Mathews, Alton W. .....Bentonvill
Prieto, Serafin G. .....Linde
Occidental Farm
Ramsey, George C. .....Front Royal
Van Deusen, Dr. Orville .....Front Roya

2—THE VALLEY

AUGUSTA COUNTY

Alexander, E. G. .....Stuarts Draft
Bailey Brothers .....Ft. Defiance
Middle River Angus Farm
Brown Brothers .....Waynesboro
Springdale Farms
Byerly, M. & Sons .....Mt. Solon
Mountain View Farm
Cannady, Charles N. .....Waynesboro
Carter, Curry .....Fishersville
Carter, John A. .....Verona
River Knoll Farm
Christian, R. E. .....Deerfield
Covner, James V. .....Waynesboro
Twin Oaks Farm
Crosby, J. G. .....Staunton
Cros-B-Crest Farm
Dickerman, Dr. C. P. .....Staunton
Charlbrooke Farm
East, John H. .....Churchville
Frame, A. W. .....Waynesboro
Deep Meadow Farm
Griffin, Ralph E. .....Waynesboro
Elbemere
Grove, Wilber, Manager .....Staunton
Green Hill Farm
Hahn, James & Mary .....Mt. Solon
Sulphur Spring Farm
Harlow, Otho, Herdsman .....Weyers Cave
Spring Farm
Hodges, G. Dayton .....Staunton
Arbor Hill Farm
Karicofe, S. N. .....Churchville
Kelly, C. E. .....Lone Fountain
Bellemonte Farm
Loth & Mehler .....Waynesboro
Mangus, A. Wallace .....Vesuvius
Mangus, Dr. Lewis .....Vesuvius
Moore, J. M. .....Staunton
Prospect Hill Farm
Moore, R. W. & Sons .....Staunton
Prospect Hills Farm

Morrison, William L. .....Staunton
Nash, Harry .....Waynesbor
Oas, Olaf .....Waynesbor
Riley, J. W. & Sons .....Staunto
Runnels, Mr. & Mrs. J. E., Jr., Weyer's Cav
Spring Farm
Southall, Truman P., Jr. .....Waynesboro
Bookerdale
Sproul, H. B., Jr. .....Staunto
Tate, James D. .....Staunto
Bonnie Hills
Waynesboro Nurseries .....Waynesboro
E. M. Quillen
Willson, Gilpin, Jr. .....Staunto
Kentmere Farms
Wright, J. Earl .....Staunto
Willowbrook Farm
Yount, Glenn E. .....Staunton
Green Hill Farms
Yount, S. W. .....Waynesbor

BOUTETOURT COUNTY

Baber, J. C., Herdsman .....Buchana
Alpine Farms
Coffey, N. T. .....Buchanan
Freeman, Henry B. .....Troutvill
Cherry Hill Farms
Gardner, M. E. .....Roanok
Hauser, A. A. .....Natural Bridg
Alpine Farms
Honts, G. E., Jr. .....Eagle Rock
Rockledge Farm
Logan, John L. .....Roanok
Obenshain, A. J. .....Troutvill
Slusser, W. O. .....Fincastl
Strickler, E. F. .....Fincastle
Waid, Fulton T. .....Fincastle

HIGHLAND COUNTY

Bolling, Stewart .....Vanderpoo
Eagle, Ray .....Doe Hi
Hoover, C. W. .....McDowell

ROCKBRIDGE COUNTY

Arey, Stanford E. .....Harrisonburg
Carter, Mr. & Mrs. Fred .....Buena Vista
Cobb, N. N. .....Moffatts Creek
Driver, William J. .....Lexington
Glasgow, Miss Otelia M. .....Buena Vista
Graham, Joseph .....Goshen
Graybill, C. Lewis .....Buena Vista
Meadow Farm
McKendree, Mr. and Mrs. C. S. Jr.
Buena Vista
Miley, H. O. .....Raphine
Millner, Mrs. S. M., Jr. .....Lexington
Locust Grove Farm
Paxton, Earle K. .....Lexington
Ruble, Carl W. .....Lexington
Weaver, Ralph & Ray .....Stuarts Draft
Ebony Farm
Womeldorf, W. H. .....Lexington
Woodson, Don G. .....Glasgow

ROCKINGHAM COUNTY

Aldhizer, George S. .....Broadway
Begoon, Verlin K., Mgr. .....Harrisonburg
Sugar Loaf Farm
Deputy, Robert F. .....Harrisonburg
Glenaire Farm
Garber, H. J. .....Timberville
Harman, H. D. .....Mt. Crawford
Harman Farms
Hamberger, Miss Elizabeth .....Elkton
River Bend Farm
Hisey, W. E., Jr. .....Elkton
Hoover, Lester D. .....Timberville
Oak Grove Farm
Jamison Farm .....Harrisonburg
Frank Long
Jordan, E. A. .....Bridgewater
Jordan Brothers
Keister, J. P. .....Harrisonburg
Kiracofe, F. A. .....Dayton
May, R. J. .....Timberville
Maymont Farm
Renalds, R. R. .....Timberville
Shenaview Farm
Shirkey, E. Edwin .....Bridgewater
Creekland Farm
Spangler, Howard .....Harrisonburg
Spangler Farms
Wampler, Charles W. .....Harrisonburg
Sunny Slope Farm

3—PIEDMONT

ALBEMARLE COUNTY

Albert, Fred, Manager .....Shadwell
Underhill Farms
Allen, Clifford G. .....Charlottesville
Glenallen
Anderson, R. O. .....Charlottesville
Bain, E. H. .....Charlottesville
Baker, C. B. .....Shadwell
Underhill Farm
Baker, C. B., Jr. .....Shadwell
Underhill Farm
Ballard, Homer .....Crozet
Barkley, George H. .....Charlottesville
Battle, J. Allan .....Crozet
Tanglewood
Baxter, Charles M. .....Charlottesville
The Barracks
Bloch, Paul J. .....Keswick
Clover Hill Farm
Bloch, Robert H. .....Keswick
Clover Hill Farm
Bovard, R. O. .....Keene
Broomfield Farms
Bowen, J. DeKoven .....Charlottesville
Clay Hill Farm
Bradley, G. L., Jr. .....Scottsville
Glendower
Brady, William Gage, Jr. ..Carters Bridge
Sherwood Farm
Bright, H. L. .....Cobham
Cinnamon Hill Farm
Campbell, Colin, Herdsman .....Shadwell
Underhill Farms
Canning, Dave .....Shadwell
Canning, Mrs. Dave .....Shadwell
Canning, George .....Greenwood
Superintendent Mirador Farm
Carter, Mr. & Mrs. Robert E., III
Springhaven Farm .....Charlottesville
Canterbury Farm .....Eastham
B. A. Rucker, Jr.
Carter, J. Prescott .....Keene
Estouville
Cary, J. R., Jr. .....Ivy
Oakland Farm
Cary, J. R., III .....Ivy
Oakland Farm
Casey, Alfred Merriman, Jr. .....Crozet
Brookside Orchards
Cash, Dr. J. R. .....Crozet
Catlin, Avery .....Charlottesville
Thimble Farm
Catlin, Mr. & Mrs. Randolph..Charlottesville
Red Acres Farm
Christensen, Bernard .....Howardsville
Clover, W. L. .....Charlottesville
Cobham Park Farm .....Cobham
Miss Eliz. Nolting
Cunningham, Alice & Helen .....Keswick
Airslie
Davis, T. G. .....Greenwood
Dirickson, C. Forman .....Charlottesville
Dolph, William .....Charlottesville
Foxridge Farm
Earl, Marshal H. .....Charlottesville
Stanford Hall
Fitzgerald, W. G. .....Crozet
Florence, D. D. .....Keswick
Limestone Farm
Fray, C. M. .....Barboursville
Frost, Granger H. .....Gordonsville
Gallagher, Andrew J. .....Charlottesville
Ellerslie
Gann, Peter M. .....Greenwood
Eastlewood Farm
Garnett, Edgar N. .....Mechums River
Geddes, E. M. .....Crozet
Gentry, George T. .....Eastham
Gentry, R. A. .....Crozet
Gildersleeve, Edward G. .....Scottsville
Gledhill, Donald F. & Frances N.
Frandon Farms .....Brown's Cove
Hagen, Fred E. .....Keswick
Rockwell Farm
Hall, C. O. .....Keswick
Hallock, Harold H. .....Keswick
Ben Coolyn Farm
Haney, W. B., Manager .....Charlottesville
Barracks Farm
Harvey, Mr. and Mrs. William S.
Waverley Farm .....Earlysville
Heath, R. L., Jr. .....Esmont
Highland Orchards .....Covesville
Hogue, Robert B. .....Charlottesville
Oak Grove Farm
Horween, Ralph & Genevieve B. ..Keswick
Merifields
Huckle, Dr. John J. .....Charlottesville
Hurt, Robert .....Alberene
Quiet Entry
Hutchinson & Spangler .....Scottsville
Brookley Farm
Hutchinson, Mrs. Margaret V. ....Scottsville
Brookley Farm

ALBEMARLE (Continued)

Johnson, Dr. G. Leonard .....Charlottesville
Brinnington Farm
Johnson, Sherman, Herdsman .Carter's Bridge
Sherwood Farm
Keane, Donald .....Proffit
Glen Echo Farm
Knickerbocker, K. K. .....Charlottesville
Windsor Farm
Lange, Peter W. .....Esmont
Canaan Farm
Lawrence, Col. Clark .....Cobham
Castle Hill
Lockhart, S. S. .....Barboursville
Lone Oak Farm .....Howardsville
T. N. Stensland
McCianahan, Roy .....Covesville
Mahanes, C. O. .....Charlottesville
Riverside
Mehring, Walter H., Jr. .....Covesville
Merrick, T. B. III .....Gordonsville
The Meadows
Miller, R. G., Jr. .....Stony Point
Foothill Farm
Miller, S. H. .....Shadwell
Foxden Farm
Mirador .....Greenwood
M. Marran, Mgr.
Montague, Mrs. Percy, Jr. .....Cobham
Merrie Mill Farm
Montague, Percy III .....Charlottesville
Mooney, Russell D. .....Charlottesville
Mooney, Russell D., Jr. .....Charlottesville
Morgan, Stuart A. .....Scottsville
Totier
Morrowdale Farm .....Charlottesville
Mrs. James W. Hyde
Musselman, Mrs. Susan M. .....Keswick
Pierce, Stanley K. .....Shadwell
Auburn Hill
Powell, Marvin, Manager .....Stanardsville
Cloverly Farm
Powers, Stuart E. .....Charlottesville
Pronzato, Carlos A. .....Gordonsville
Hopewood
Ramsey, E. W. .....Esmont
Rock Castle Farm
Randolph, Allen K. .....Keene
Greenmont
Randolph, Larned D. .....North Garden
Linden Farm
Revis, Stuart H. .....Charlottesville
Brookhill
Reynolds, Curtis L. .....Charlottesville
Rider, V. D. .....Gordonsville
Devonhurst
Ridgwell, William H. .....Covesville
Little Park Farm
Rives, Anthony .....Cobham
Edgwood Farm
Rixey, Barbour .....Gordonsville
Montebello
Robinson, Dan A. .....Charlottesville
Lemington Farm
Robinson, Mr. & Mrs. F. L., Jr. ....Lindsay
Edgeworth Farm
Rosebrook, John B. .....Carters Bridge
Falrose Farm
Rucker, B. A., 3rd .....Eastham
Canterbury Farm
Rucker, Jean & Linda .....Eastham
Canterbury Farm
Runk, B. F. D. .....Charlottesville
Schey, Ira M. .....Ivy
The Rocks
Scott, F. Pierson .....Warren
Donegal
Shoffner, Robert .....Charlottesville
San Gabriel
Simpson, Alex, Mgr. .....Keene
Estoutsville
Smith, David A. .....Greenwood
Rose Hill Farm
Smith, Dr. J. C. .....Charlottesville
Smith, Ruby R. .....North Garden
Snead, Mr. & Mrs. W. S. ...North Garden
Edgemont Farm
Speiden, Eben C. .....Charlottesville
Steger, T. R. .....Charlottesville
Stevens & Company .....Charlottesville
Stokely, Col. C. C. .....Charlottesville
Key West Farm
Taylor, Charles G., Jr. .....Carters Bridge
Queesland Farm
Terrill, Miss Jamie .....Keswick
Thomas, C. R. .....Charlottesville
Pine Knob Farms
Thorne, Harry F. .....Charlottesville
Toms, E. Wilson .....Afton
Townsend, James H. .....Eastham
The Riggory
Tufton .....Charlottesville
Frank Holloran
Turnbull, Knox .....Shadwell
W & R Farm .....Eastham
Weesner, R. Paul .....Greenwood
Nockamellie
White, W. Rodes .....Keswick
Wieboldt, E. F., Jr. .....Covesville
Cove Creek Industries, Inc.
Wiley, Keith B. .....Earlysville
Wakefield Farm
Williams, J. C. .....Charlottesville
Young, Mrs. Alice M. .....Charlottesville

BUCKINGHAM COUNTY

Beattie, Allan T. .....Buckingham
Dungannon
Boatwright, Ray .....Wealthia
Derrenbacker, Frank .....Wealthia
Ellis, R. S. & Son .....Alcoma
O'Brien, W. F. .....Bremo Bluff
Glen Arvon
Spencer, Charles .....Buckingham
Wheat, R. W. .....Larton

FLUVANNA COUNTY

Brown, Douglass A. .....Troy
Forstbauer, Wm. A. & Mary E. .... Palmyra
Quaint-Lea
Lippard, C. Rodney .....Palmyra
Laura Anna Farm
Siegfried, J. W., Jr. .....Columbia

GREENE COUNTY

Henley, T. J. .....Advance Mills
Lakewood Farm

LOUISA COUNTY

Atkins, D. L. .....Trevilians
Ferncliffe Farm
Baker, W. F. .....Louisa
Keillor Farm
Borden, Ben A. .....Bumpass
Burnley Dairy Farm .....Gordonsville
R. J. Fisher, Manager
Cowherd, Frank C. .....Frederick Hall
Meadow Farm
Estes, George A. .....Mineral
Fisher, Willard G. .....Mineral
Buckingham Farm
Hanger, P. B. and J. N. .....Trevilians
Ionia Farm
Lacy, C. H. .....Orchid
McDonald, Russel D. .....Louisa
Marshall, Howard L. and George H. ..Louisa
Oak Forest Farm
Pendleton, E. B., Jr. .....Cuckoo
Pettit, C. Pembroke .....Fredericks Hall
Rucker, A. M., Jr. .....Fredericks Hall
Bear's Den Farm
Shank, H. H. .....Louisa

3—PIEDMONT (Continued)

LOUISA (Continued)

Spicer, L. C. .....Mineral
Swift, Stuart .....Buckner
Hawkins Creek Farm
Turner, E. H. and Phil .....Trevilians
Twin Maple Farm .....Mineral
Russell Brothers

NELSON COUNTY

Bridgewater, W. L. .....Lovingston
Brush, R. A. .....Covesville
Bryant, Billy & Bobbie .....Tye River
Carter, Mr. & Mrs. John S. .....Piney River
Drawbars Farm
Dolan, Mr. and Mrs. W. S. .....Wingina
Karicofe, Orville .....Afton
Morton, John T. .....Tyro
Tyro Farm
Pettit, James A. .....Roseland
Rodes, S. T. .....Nellys Ford
Kleinberg Orchards
Saunders, J. M. .....Arrington
Saunders, Paul M. .....Arrington
Tye Brook Plantation

ORANGE COUNTY

Allison, James W. .....Gordonsville
Tivoli
Altman, C. E. .....Orange
Baker, Allen J. .....Barboursville
Rural Retreat Farm
Bonynge, Dr. Henry A. .....Gordonsville
Ballintobber
Braxton, Edward H. .....Winston
Daniel, F. B. .....Orange
Davis, Richard M. .....Gordonsville
Happy Creek Farm
Dix, John W. .....Gordonsville
Carleton
Early, W. B. .....Orange
Ellis, Harry W. .....Orange
Pine Park
Ellis, J. R. .....Orange
Eriksen, Erik J. .....Somerset
Tetley
Estes, Robert F. .....Orange
Gay, C. W., Manager .....Gordonsville
Tivoli
Goodall, T. A. .....Gordonsville
Goodloe, Judson .....Gordonsville
Gordon, Samuel J. .....Orange
Grasty, Taylor P. .....Orange
Huntley Glen Farm
Gregg, Mrs. Will R. .....Orange
Grelen Farm
Gwathmey, Mr. & Mrs. A. B. .....Orange
Greenfields
Hebblethwaite, Leon L. .....Barboursville
Hill, Henry L. .....Orange
Millwood Farm
Kemp, Mrs. W. M. .....Orange
The Old Manse
Luhnow, Christian Cheney .....Gordonsville
Macdonald, Angus Snead .....Rapidan
The Macdonald Farm
Mehmel, Donald, Manager .....Gordonsville
Hawkwood
Nalle, Miss E. R. .....Somerset
Hazelhurst Farm
Neale, Charles T. .....Gordonsville
Rocklands
Onet, Victor M. .....Somerset
Spring Brook
Peters, Harry T., Jr. .....Orange
Windholme Farm
Rock, Frank D. .....Somerset
Small, John H. .....Gordonsville
Hawkwood
Taylor, Fletcher G., Manager .....Rapidan
The Macdonald Farm
Taylor, J. E. .....Orange
Meadow Farm Dairy
Terrill, W. M. .....Orange
Rosen Ridge Farm
Walburg, Harry E. .....Gordonsville
Coniston
Walton, F. H. .....Orange
Woodley
Williams, L. M. .....Rapidan
Retreat Farm
Woodriff, John Irving .....Somerset

4—SOUTHSIDE

BRUNSWICK COUNTY

Brewer, R. B. .....Lawrenceville
Britt, Ira L. .....Alberta
Glidewell, C. N. .....Freeman
Cloverdale Farm
Griffin, W. H. & J. T. .....Edgerton
Griffin Farms
Hamlin, Joseph E., Jr. .....Lawrenceville
Kleis, Emma L. & M. H. .....Edgerton
Matthews, W. G. .....Lawrenceville
Meredith, A. R. .....Lawrenceville
Pennington, B. D. & Son .....Brodnax
Perkinson, William H. .....Lawrenceville
Raney, John .....Freeman
Settle, W. B. .....Rawlings
Blairwood Farms
Settle, W. Flyn .....Meredithville
Edge Hill Farm
Sneade, W. F. .....Rawlings
Tucker, Mr. and Mrs. Edward B.
Rome .....McKenney
Williams, D. F. .....Alberta
Williams, H. H. .....Alberta
Yancey, H. H. .....Alberta

CHARLOTTE COUNTY

Brookes, J. S. .....Keysville
Garrison, Jesse T. .....Pamplin
Haley, Edward F. .....Keysville
Kizer, J. A. .....Chase City
Lawson, H. W. and J. W. .....Saxe
Morgan, Mr. & Mrs. J. K. .....Red Oak
Pugh, James J. .....Madisonville
Pugh, Russell .....Pamplin
Rutledge, I. D. .....Red Oak
Clearwater Angus Farm
Scott, Thomas A. .....Saxe
Seven Cedars Farm .....Keysville
H. Pettus
Tate, Wilson C. .....Red Oak
Vaughan, J. D. .....Keysville

DINWIDDIE COUNTY

Baskerville, Dr. George & Field ...McKenney
Montrose Farm
Echols, G. L. & C. S. .....McKenney
Hill Green Farm
Echols, H. B. .....McKenney
Hawkes, John A. .....Church Road
Kindley, Sam .....Church Road
Mitchell, Arthur W. .....Petersburg
Pulley, Frank P., Jr. .....Waverly
Pine View Farms

GREENVILLE COUNTY

Fetko, Andrew .....Emporia
Goodwyn, J. D. .....Emporia
Hattie L. Goodwyn Farm
Person, George J. .....Emporia
Smith, P. L. & Son .....Emporia
Greensville Farms

HALIFAX COUNTY

Adkisson, W. S., Jr. .....Clover
Bass, Thomas H. .....South Boston
Conner, W. T. .....Nathalie
Garber, K. R. .....Halifax
Holmes, Samuel S. .....Randolph
Green Pastures
Holmes, Mrs. Samuel S. .....Randolph
Green Pastures
Hunt, Billy .....Nathalie
Hunting Creek Plantation .....Clover
Frank T. Conner, Mgr.
Ingram, Norman P. .....Nathalie
Oak View Farms
Jarratt, W. L. .....Drewyville
Jarratt Farm
Leggett, Fred B. .....Danville
Cloverdale Farm
Merritt, John H. .....Denniston
Shapard, H. H. .....Halifax
Shelton, J. W. .....Halifax
Snow, T. N., Jr. .....Clover
Tappero, Max J. .....Randolph
White, Jamerson C. .....Sutherlin
Cloverdale Farm

ISLE OF WRIGHT

Barlow, Randolph E. .....Smithfield
Bohannan, S. S. .....Norfolk
Butler, J. C. .....Carrsville
Morse, A. E., Jr. .....Smithfield
Wright, J. D. .....Carrsville

LUNENBURG COUNTY

Cordle, J. A. & W. T. .....Kenbridge
Cor-Dale Farm
Fowlkes, Brothers .....Victoria
Wood-Park Farms
Gregory, Ruben .....Kenbridge
Henderson, W. Y. .....Victoria
Mahaney, Arthur R. .....Kenbridge
Pleasant Hill Farm
Smith, R. Maclin .....Kenbridge
Snead, B. C. .....Kenbridge
Ward, Herbert R., Jr. .....Chase City
Webb, John M. .....Kenbridge

MECKLENBURG COUNTY

Braxton, Dr. H. H. .....Chase City
Gill, T. A. .....North View
Goode & Driggs .....Chase City
Green, R. E. .....Chase City
Hart, A. D. .....Union Level
Johnston, Mont .....Chase City
Jones, C. D. .....Union Level
Jones, Herman H. .....Red Oak
Kibler, J. M. .....Chase City
White Oak Farm
Lewis, Meriwether F. .....Clarksville
Merifield
Newton, H. J. .....Chase City
Breezycrest Farm
Robertson, C. B., Jr. .....Chase City
Pineland Farm
Rutledge, W. T. .....Chase City
Rutledge Brothers
Spaulding Farm .....Chase City
Walker, B. L. .....Chase City
Warren, Jim E. & Joe H. .....South Hill
McWarren Farm
Wildman, J. M. .....Skipwith
Wilson, R. Guy .....Skipwith
Winckler's Stock Farm .....La Crosse
F. M. Winckler

NANSEMOND COUNTY

Holland, Frank .....Holland

NORFOLK COUNTY

Brickhouse, Baxter .....Fentres
Cahoon, Wallace B. .....Norfol
Commander, Guy W. .....Norfolk
Hurdle, E. B., Jr. .....Portsmouth
Walker, George W., Jr. .....Portsmout
Walker, Joseph Franklin .....Norfol

NOTTOWAY COUNTY

Martin, A. L. .....Crewe

PRINCE EDWARD COUNTY

Billings, David T. .....Farmvill
Bradshaw, R. M. & Son .....Rice
Brown, L. W. .....Prospect
Winrock Farm
Hanbury, F. H. .....Farmvill
Metcalf, J. L. .....Darlington Height
Shanaberger, F. W. .....Farmvill
Rotherwood Plantation
Weaver, A. W. .....Norfolk
Welchlin, Willie .....Farmville
Locust Hill Farm
Wilkerson, J. Nat .....Prospec

PRINCE GEORGE COUNTY

Mason, Meigs, Mgr. .....Disputanta
Kirkham Farm
Sanford, H. F. .....Prince Georg
Scales, Robert E. .....Disputanta
Kirkham Farm
Valiska Brothers .....Disputanta
Albert W. Valiska
Wright, L. R. .....Hopewel

PRINCESS ANN COUNTY

Reid, William S. .....Lynnhaven
Lynnhaven Angus Farm

SOUTHAMPTON COUNTY

Boykin, N. S. .....Ivo
Gray, J. H., Jr. and Son .....Sebrel
Griffin, O. C. .....Ivo
Grizzard, Dr. J. J. .....Branchville
Harris, Mr. & Mrs. A. B. .....Branchville
Williams, L. L. .....Courtland
Woodard, Aubrey .....Branchvill

SURRY COUNTY

Camp Ground Farm .....Waverly
A. Paul Hartz
Gray, Garland .....Waverly
Swann's Point Plantation
Hamlin, W. R. .....Surry
Hux, B. F. .....Elberon

SUSSEX COUNTY

Bishop, Robert L. & Sons .....Waverly
Branch, F. E. .....Wakefield
Brittle, Leah .....Wakefield
Brittle, Sidney A. .....Waverly
Cox, George A. .....Waverly
Oak Grove Farm
Holt, O. L. .....Wakefield
Kukucka, Andrew .....Waverly
McClenny, T. B. .....Wakefield
Monahan, L. J. & C. K. Smith ...Wakefield
Mumford, G. L. .....Wakefield
Reibsamen, Glenn H. .....Savedge
Seely, W. C. .....Waverly
Wheeler, C. E. .....Waverly
Wheeler Farms
Wills, R. M. .....Littleton
Willton Farm

5—BLUE RIDGE

AMHERST COUNTY

Duckworth, P. C. .....Amherst
Buffalo River Farm
Harper, William W. .....Monroe
Spring Garden Farm
Higginbotham, T. L. & Sons .....Sandidges
Lea & Stevens .....Agricola
McConnell, W. S. .....Agricola
Rockhaven
Massie, James H., Jr. .....Amherst
Mays, David E. .....Sandidges
Mays, H. P. .....Sandidges
Ross, O. B. & Sons .....Amherst
Suhling, W. G., Jr. .....Walkerford
Edgehill
Sweet Briar College .....Sweet Briar
J. A. Gilchrist, Jr., Manager
Tucker, W. O. & Sons .....Amherst

APPOMATTOX COUNTY

Childers, W. T. .....Appomattox
Harrison, John L. .....Appomattox
Hunter, C. K. .....Appomattox
Kinney, Judson S. .....Appomattox
Morris, W. M. .....Appomattox
Pulliam, H. C. .....Appomattox

BEDFORD COUNTY

Barker, W. Carey .....Lynchburg
Green Valley Farm
Grove, Whitney, Manager .....Forest
Old Elkton Farm
Hodges, J. B. .....Forest
Elk Hill Farm
Hodges, J. B., Jr. .....Forest
Elk Hill Farm
Hyatt, John R. .....Goode
Jenkins, G. E. .....Bedford
Pascal, Irving S. .....Lynchburg
Burnbrad Farm
Powell, W. C. .....Big Island
Powell Farms
Schwerin, Joseph .....Forest
Creswell Farm
Turner, Lawson W. .....Forest
Old Elkton Farm
Wheeler, M. L. .....Bedford
Wright, D. E. .....Vinton

CAMPBELL COUNTY

Adams, Julian .....Lynchburg
Adams Plantation
Bradley, Carl .....Brookneal
Burton, A. B. .....Lynchburg
Calohan, W. E. .....Rustburg
Cotherwood, John C. .....Lynchburg
Dillon, John H. .....Concord
Roscommon Farm
Elder, Robert Gray & Son .....Brookneal
Elliott, Melvin W. .....Lynchburg
Melacre Farm
Farrell, Basil L. .....Lynchburg
Feagans, C. B., Jr. .....Lynchburg
Foster, R. Welford .....Brookneal
Hicks, Carl L. .....Evington
Kinzer, J. M. .....Lynch Station
Monte Flora Stock Farm .....Altavista
J. H. Adams
Morefield, H. J. .....Lynchburg
Adams Plantation
Powell, Hampton .....Lynch Station
Reid, Adam, Jr., Herdsman .....Lynchburg
Adams Plantation
Robertson, J. Mott .....Lynchburg
Tarry, W. B. .....Brookneal
Staunton Hill Plantation
Taylor, Ernest M. .....Lynchburg
Tweedy, Mrs. Marvin C. .....Concord
Cedar Ridge Farm
Tyree, C. T. .....Altavista
Tyree & Nicholas
Venable, G. C. .....Rustburg
Whittemore, R. B. .....Long Island

FRANKLIN COUNTY

Callaway, F. B. .....Callaway
Boxwood Manor
Ferguson, John H. .....Wirtz
Firebaugh, M. L. .....Moneta
Hancock, John W. .....Roanoke
Ramsey, D. W., Jr. .....Sydnorsville
Stone, C. C. .....Rocky Mount
Vaughan, D. C. .....Rocky Mount
Weaver, R. E. .....Rocky Mount

HENRY COUNTY

Covington, J. G. .....Ridgeway
Fisher, B. L. .....Martinsville
Frye, E. H. .....Ridgeway
Pigg, Millard G. .....Spencer
Diliard Farm
Richardson, Frank I. .....Martinsville

PATRICK COUNTY

Atkins, W. G. & Son .....Woolwine
Craig, W. J. .....Spencer
Penn Haven Farm
Harman, George A. .....Woolwine
Powell, Charles C. .....Stuart

PITTSYLVANIA COUNTY

Adams, Henry .....Ringgold
Adams, M. W. .....Ringgold
Bailey, Dr. C. L. .....Danville
Bennett, R. E. .....Ringgold
Crumpler, Dr. L. O. .....Danville
East, James Albert .....Chatham
Farmer, I. M. .....Ringgold
Gregory, S. Stone, Jr. .....Java
Harper, B. L. .....Dry Fork
Hudson, L. B. .....Java
Hutcherson, Willard R. .....Gretna
Hutchinson, Herbert J. .....Gretna
Jones, James T. and Sons .....Blairs
Moon & Owen .....Gretna
V. F. Moon
Oakes, A. F. .....Gretna
Oakes, W. H. & Son .....Dry Fork
Robertson, J. B. & E. T. .....Hurt
Scearce, Percy J. .....Danville
Simpson, Russell R. .....Long Island
Terry, W. N. .....Danville
Terry, Winfred P. .....Ringgold
Meadow Lark Farm
Thompson, J. S. and Son .....Danville
Wyatt, Landon R. .....Danville
Worsham, H. R. .....Gretna

6—SOUTHWEST

BLAND COUNTY

Bane, H. A. .....Bland
Rock Glen Farm
Kinter, Dr. B. R. .....Crandon
Penley, J. S. .....Bland
Skyduskee Farm

CARROLL COUNTY

Jennings, Dr. C. B. .....Hillsville

CRAIG COUNTY

Craigland Farms .....Maddie
Huffman, O. G. .....Catawba
Price, John F. .....New Castle

6—SOUTHWEST (Continued)

FLOYD COUNTY

Keith, H. E., Jr. .....Willis

GILES COUNTY

Bowers. Howard E. .....Pearisburg
Devin, W. R. .....Narrows
Pedigo, Dr. W. D. .....Pearisburg
McDonald, G. B. .....Kumballton
McDonald, J. S. .....Roanoke

GRAYSON COUNTY

Davis, N. E. .....Fries
Rhudy, Hale A. .....Elk Creek

MONTGOMERY COUNTY

Adams, R. P. & Sons .....Whitethorne
Upper Kentland Farms
Dalton, Harley .....Radford
Dalton Angus Farm
Harnberger, Fred B. .....Christiansburg
Huff, Cecil & Ray .....Christiansburg
Kincaid, Dr. Charles M. .....Blacksburg
Litton, George .....Blacksburg
Mason, Mrs. John D. .....Radford
Mast, Curtis C. .....Blacksburg
Thompson, C. S. .....Radford
Lazy T. Ranch
Wakeman, T. J. .....Christiansburg

PULASKI COUNTY

Boothe, Grover C., Jr. .....Pulaski
Brown, Logan L. .....Dublin
Collins, J. G. .....Dublin
Kingland Farm
Malan, Dr. Wallace H. .....Dublin
Morgan, John W., Jr. .....Dublin
Smith, Dr. Richard O. .....Pulaski

ROANOKE COUNTY

Beahm, Charles M. .....Hollins
Sandbeam Farm
Brillhart, M. M., Mgr. .....Catawba
Catawba Stock Farm
Entsminger, R. R. .....Roanoke
Frantz, Virgil L. .....Salem
Dunrovin Farms
Kimble, Leslie A. .....Roanoke
Lackey, I. F. .....Lexington
Lynn Brae Farms .....Catawba
T. D. Steele
Morgan, D. B. .....Roanok
Murray, W. Kent .....Roanok
Murray Orchards
Peters, L. R. .....Roanoke
Woodsdale Farm
Phelps, B. M. .....Roanok
Sanderson, John W. .....Hollin
Shafer, H. S. .....Roanok
Simms, L. Earl .....Salem
Spigle, Moyer .....Hollins
Lou-Mor Farm
Watts, William .....Roanok
Wertz, Mr. and Mrs. Frank L. .....Thaxto
Twin Oaks Ranch

RUSSELL COUNTY

Gilmer, M. G. & Sons .....Lebano

SCOTT COUNTY

Alley, Hugh E., Jr. .....Gate Cit
Bellamy, Gaines .....Gate City
Bussell Brothers .....Gate City
Tenn-E-Va. Stock Farm
Craft, R. G. .....Gate Cit
Kiser, G. A. .....Gate Cit

SMYTH COUNTY

Gwyn, R. C., Jr. .....Marion
Hickory Cove Farms .....Mario
D. D. Query & G. M. Wheeler
Lincoln, C. C., Jr. .....Mario
Sassafras Ridge Farm
McSpadden, W. B. .....Chilhowie
White Oak Spring
Wilkinson, John T. .....Chilhowi

TAZEWELL COUNTY

Kinzer, L. A. .....Shawver's Mill

WASHINGTON COUNTY

Harmony Hills Farm .....Bristo
Hearst, Mrs. E. H. .....Bristo

WYTHE COUNTY

Davis, Alex M. .....Max Meadows
LaPrelle, Robert .....Rural Retrea
White Rock Farm
Woodruff, A. C. .....Wythevill

7—TIDEWATER

ACCOMAC COUNTY

Clarke, Richard E. .....Onancock
Ewell, Claude .....Parksley
Milliner, W. J. .....Locustville
Taylor, Roland S. .....Onancock
Thornton, Richard .....Atlantic

AMELIA COUNTY

Davenport, Chas. M. .....Portsmouth
Denning, Lewis K. .....Mattoax
Redmoor Farm
McKenney, James D. .....Jetersvillle
Walton, R. B. .....Amelia
Oak Haven Stock Farm
Ward, O. B. .....Amelia
Ward Farms

CAROLINE COUNTY

Blanton, R. E. B. .....Doswell
Ellington
Broaddus, M. G., Jr. .....Sparta
Airy Hill Farm
Castles, John G. .....Corbin
Santee
Coleman, G. K. & Son .....Ruther Glen
Oxford Farm
Galyen, George H. .....Hewlett
Gouldman, A. J. .....Port Roya
Meadow Farm .....Doswel
W. T. Chenery
Norment, James B. .....Sparta
Smith, G. P. .....Woodford
No. Twickenham
Smith, V. Owen .....Ladysmitl
Taylor & Blanton .....Penol
O. E. Taylor & Ray Blanton
Taylor, H. L. & Son .....Ruther Glen
Young, Mr. & Mrs. M. B. Mgr., Ruther Glen
Ellington

CHARLES CITY COUNTY

Boyd, A. W. .....Holdcroft
Banbury-on-The-James
Buhrman, Mac B. .....Richmond
Center Farm
Duke, R. W. .....Holdcroft
Gaddy, Clarence .....Roxbury
Colesville Farm
Hannabass, C. F. .....Roxbury
Sackett, A. J. .....Shirley
Riverview Farm
Smith, A L. & Son .....Holdcroft
Sandy Point Farm
Walls, P. E. .....Charles City
Bush Hill Farm

CHESTERFIELD COUNTY

Beckwith, C. H. .....Hopewell
Booton, John R. .....Chester
Condrey, J. H. .....Midlothian
Cook, Fred L., Jr. .....Beach
Cook, Robert L. .....Beach
Coons, G. Dallas .....Richmond
Presque Isle Farm
Gilliam, Woodson J. .....Hopewell
Goyne, Edmond W. .....Chester
Goyne, Harold T., Sr. .....Chester
Gregory & Thompson .....Chester
Henry, W. E. .....Chester
Rochdale Farm
Keck, Theodore A., Jr. .....Chester
Deerfie'd Farm
McCoy, T. C. .....Chester
Presque Isle Farm .....Chester
L. D. Zimmerman, Mgr.

CUMBERLAND COUNTY

Floyd, Wilber R. .....Columbia
Westview
Hart, Dennis .....Cumberland
Zimmerman, H. W. .....Columbia
Pleasant Grove Farm

ESSEX COUNTY

Andrews, A. Jack .....Rexburg
Baylor, Robert W. .....Loretto
Brooks, F. O. .....Tappahannock
R.verview Farm
Butler, Mr. & Mrs. Lee D. .....Supply
Kinloch Farm
Cropsey, Dr. L. M. .....Supply
Kinloch Farm
Hundley, Peyton, Jr. .....Center Cross
Rose Hill Farm
Hutchinson, R. C. .....Tappahannock
Greenfield Farm
Smith, John E. .....Supply
Kinloch Farm
Taliaferro, Andrew B. .....Hustle

GLOUCESTER COUNTY

Clements, T. Wesley .....Nuttall
Field, W. S. & Son .....Nuttall
Holly Hill Farm

GOOCHLAND COUNTY

Anderson, M. G. .....Oilville
Ayrault, John & Chas. P. McGeary, Jr.
Oak Knoll Farm .....Sabot
Fessler, H. L. .....Manakin
File, Mrs. Dwight A. .....Irwin
Bolling Hall
Gay, Thomas B. .....Sabot
Barnstaple
Howards Neck Farm .....Pemberton
Layne, H. R. .....Crozier
Nelson, Mrs. Kinloch .....Sabot
Briar Springs
Nilsen, Peter A. .....Bula
Reeves, A. .....Oilville
Richmond, C. F. .....Crozier
Saunders, Miss Jane .....Richmond
Shield, Dr. James Asa .....Sabot
Fullstream Farm
Welton, Mrs. Jessie W. .....Rockville
Sunset Hill Farm

HANOVER COUNTY

Brotemarkle, J. Clinton .....Glen Allen
Sherwood Farm
Cochrane, J. Harwood .....Rockville
Walnut Hill Farms
Gatke, William A. .....Ashland
The Little Ranch
Glave, H. E. .....Richmond
Poplar Springs Farm
Hall, Aubrey, Mgr. .....Hanover
Bleak Hill Farm
Hudgins, George R. .....Beaverdam
Negrofoot Farm
Johnson, R. N., Manager .....Hanover
Courtland Farms
Karrk, J. H. .....Clayville
Paxton Farm
Langner, Herbert W. .....Hylas
Loving, B. P. .....Ashland
Luck, J. N. .....Ashland
Roberts, L. W. .....Ashland
Brock Spring Farm
Selden, Harry W. .....Richmond
Mount Arry
Taylor, Merritt I. .....Atlee
Honey Meadows
Walker, Mrs. Bradford .....Hanover
Bleak Hill Farm
Webber, William Slade, Jr. .....Ashland
Maple Hill Farm
Whaley, J. W. .....Hanover
Courtland Farms
Wilson, Ronald J. .....Glen Allen
Woodard, William W., Jr. .....Beaverdam

HENRICO COUNTY

Baker, G. Russell .....Richmond
Bendix, Dr. W. L. .....Richmond
Bremner, Leith S. .....Richmond
Buhrman, A. W. .....Richmond
Canfield, I. H. & Son .....Richmond
Caravati, Dr. Charles M. .....Richmond
Shallobro Farm
Cauthorn, M. S. .....Richmond
Cook, V. Wilson .....Richmond
Copley, C. E. .....Richmond
Brookbury Farm
Elliott, C. I. & Son .....Richmond
Wilton Farm
Evans, Cedric .....Richmond
Fairlamb, G. C. .....Richmond
Grove, Conrad, Manager .....Rockville
Walnut Hill Farm
Jeffress, Robert M. .....Richmond
Meadowbrook Farm
Ledford, E. H. .....Richmond
Luck, C. S., Jr. .....Richmond
Meinhardt, Frank .....Sandston
Morris, William M. .....Richmond
Nelson, R. H., 4th .....Richmond
Colonial Acres Farm

JAMES CITY COUNTY

Cooley, L. H. .....Williamsburg
Renick, D. C. .....Williamsburg

KING AND QUEEN COUNTY

Broaddus, Vice-Adm. C. A. .....Newtown

KING GEORGE COUNTY

Ashton, L. A., Jr. .....Weedonsville
Bevan, W. F. .....Weedonsville
Bryan, G. W. .....Dogue
Lands End Farm
Graves, C. T. .....Sealston
Mechling, W. Harrison .....Dogue
Cleve
Spillman, W. A. .....Index
Wegner, H. G. .....Weedonsville
Meadow Brook Acres
Williams, George D. .....Comorn
Rokeby Farm
Williams, Wray .....Sealston

KING WILLIAM COUNTY

Cournow, Earl R. .....Palls
Marl Hill Farm
Lafferty, Edgar R., Jr. .....Lester Manor
Elsing Green
O'Shea, Helen M. .....Lester Manor
Old Town Farm
Townsend, Guy O. .....Manquin
Presley Farm
Vought, Donald W. .....Sweet Hall

LANCASTER COUNTY

Boatwright, H. Lee, Jr. .....Somers
Belle Isle Farm

7—TIDEWATER (Continued)

LANCASTER (Continued)

Burson, Robin E. .....Lively
Foxhill Plantation
Dawson, Emory J. .....Lancaster
Eastwick, Edward P., III and
Marjorie S. .....Lively
Fox Hill Plantation
Herndon, Richard T. .....White Stone
Long Lane Farm
Pittman, W. R. .....Somers
Rowland, O. L. .....Litwalton
Smith, J. Henry .....Whitestone
Green Gate Farm

MATHEWS COUNTY

Chipman, A. D. .....Miles Store
East River Stock Farm
Hudgins, M. Lee .....Susan
Meekins, J. W. .....Cardinal
Snow Hill Farm
Robertson, C. B., Jr. .....Point Breeze
Thompson, Millard C. .....Cardinal
Oakland

MIDDLESEX COUNTY

Barnes, H. G. .....Saluda
Beckwith, Mr. & Mrs. Robt. Lincoln..Hartfield
May, Mrs. Kathleen B. .....Saluda
Pettitt, George E. .....Amburg

NEW KENT COUNTY

Brinton, B. H. .....New Kent
Cumberland Farm

NORTHUMBERLAND COUNTY

Liebert, Dr. H. S. .....Callao
Fauntleroy Farm
Mooers, E. H. .....Lillian
Melville Farms
Thomas, Col. Kramer .....Cowart
Cypress Farm

POWHATAN COUNTY

Bradley, F. E. .....Clayville
Davies, William E. .....Fine Creek Mills
Spring Valley Farm
Elam, Carlton N. .....Belona
Friedrich, Dr. J. G. .....Jefferson
Gill, H. L. .....Moseley
Greene, J. C. .....Richmond
Guza, S. H .....Centralia
Mineola Farm
Irving, Francis D. .....Cartersville
Jones, P. Rixey and Hobbs, Fred I.
Loch Lomond .....Fine Creek Mills
Spivey, J. L. .....Richmond
St. Emma Ind. & Agric. Inst...Rock Castle
Rev. J. P. Kelley

RICHMOND COUNTY

Yates, E. F. .....Powhatan
Baird, Lester P. .....Richmond
Blackburn, Walter E. .....Richmond
Gray, W. D. .....Emmerton
Pierson, S. M. .....Downings
Smith, H. Marston .....Warsaw
Belle Mount

SPOTSYLVANIA COUNTY

Acors, Mr. & Mrs. Harry L. ..Fredericksburg
Biscoe, W. E. .....Fredericksburg
Willowbrook Farm
Burruss, J. Henry .....Beaverdam
Butzner, William W. .....Fredericksburg
Coleman, C. R. .....Snell
Coleman, S. B. .....Fredericksburg
Breezeland
Dillard, W. R. .....Fredericksburg
Fry, George .....Fredericksburg
Futrelle, J., Jr. .....Chancellor
Greenlaw, Graton .....Fredericksburg
Jones, Dr. Gordon W. .....Fredericksburg
Jones, Lewis W. .....Partlow
Massey, Rosser .....Fredericksburg
The Blanton Farm
Mitz, James C. .....Fredericksburg
Moss Neck Manor .....Fredericksburg
O'Toole, J. V. .....Fredericksburg
Payne, W. M. .....Beaverdam
Saunders, Mr. and Mrs. Frank .....Snell
Altavista
Shannon, Sidney L., Jr. .....Fredericksburg
Lee Hill Farm
Skinker, B. M. ...Rappahannock Academy

STAFFORD COUNTY

Flippo, William P., Jr. .....Fredericksburg
Oak Know Farm
McCormick, John A. .....Hartwood
Reid, Richard L. .....Ruby

WESTMORELAND COUNTY

Chandler, A. M., Jr. .....Montross
Timberneck Farms
Dos Passos, John .....Westmoreland
Waterview Farm
Griffith, Dr. C. Y. .....Erica
Albany Farm
Massey, Robert B. .....Hague
Murphy, Robert .....Mt. Holly
Stuart, Charles E., Jr. .....Montross
White, Leslie T. .....Chisford
White Anchors

OUT OF STATE MEMBERSHIP

Canning, I. H. .....Hendrum, Minn.
Chinski, Charles C. .....Pelham Manor, N. Y.
Huffer, H. C., Jr. .....Newport, R. I.
King, John L. .....Washington, D. C.
Rider, V. D., Jr. .....Flora, Indiana
Rodman, W. L. .....Ontario, Canada
Rohdenburg, Hans C. .....Iva, S. C.
Steele, Dr. B. W. .....Mullens, W. Va.
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The Essence of Beef Production Is Low Cost.

Management

This is the most potent single factor in farm success. It revolves around "know how", imagination, courage, diligence and infinite ability.

It evinces itself in such ways as these;

A machine prepared to work the moment the work is ready.

A fence repaired before, not after, the cattle break through.

Seed and fertilizer on hand, ground prepared when comes the ideal date for planting.

Plowing of the heavy soils completed in the fall.

Hay cut and cured and in the mow top grade.

Cattle growthy, quiet, free in summer of flies and in winter of lice and grubs, a full complement of calves; the bull where he belongs.

A barnyard orderly and tidy with machines and feeds well stowed away, clean fence rows; fields and pastures free of weeds.

Bills paid; records accurate and sufficient; working capital ample.

Calculate current steer prices with production cost and you will determine money cannot be made at the relative levels. Yet numerous farmers are making money — farmers who have the knack of utilizing more efficiently what they produce and so overcoming the handicaps which changing economics plant as obstacles in their paths. The art of successful farming involves more than merely going through the motions.

A fundamental plan of operation carrying well into the future should be developed. Adhere to it tenaciously through good times and bad but vary its implimentation ceaselessly with the improvements and adjustments so rife in agriculture.

The head man must be informed on experimentations by experts. He must have the astuteness to promptly absorb into the operation what is suitable and lasting, sifting out what is passing and unsound.

Experimentation by farmers themselves is often futile. Accurate conclusions can be drawn only if check areas are used, if fields are measured with the greatest exactitude, weather is recorded, and the work is repeated over several years. With livestock as with crops accuracy must be applied; still, only the breeder himself can determine the success of his bull.

There is a striking difference in labor used per beast between high cost and low cost (well managed) farms.

The obvious and provoking loss resulting from the careless act of a farm worker can be trivial when compared to the unseen losses it is possible for management to make by error in planning or in buying or in selling.

"Road farmer" is a mildly derogatory term applied in the west to farmers who go to town too frequently. Such are at best poor managers unable to foresee their needs.

Agricultural knowledge is not the shortage that causes farm failure. It is obtainable on all sides; it is easy of comprehension because no involved scientific facts need be mastered. Study and grasp "The Origin of the Species" if you will or the operations of the reproductive processes of plants and animals, and your farming and breeding practices will be little improved. Farming is only the good application of simple knowledge.

Labor Relations

Your employee is a human being, with his own peculiar temperament, ambitions, and family worries. He will appreciate your interest in his welfare and that of his family—but avoid any acts or talk that savor of paternalism.

The Essence of Beef Production Is Low Cost.

People are all different. Recognition of something well done may spur one person to keep on doing well. But it may only inflate another. Constructive criticism is effective in some cases. Another worker may sulk or wilt under forceful direct criticism. Find out what makes them "tick" and strive for the attitude that builds interest and enthusiasm in the work.

Make him feel that he is a part of a team that makes the farm click —and therefore no matter how routine his task, anything he does must be done conscientiously and well. Try to arouse his pride in the farm and its reputation.

Criticize Constructively—Play up the positive. He must feel that he is treated fairly. Encourage him to unburden himself to you about his gripes (real or imaginary). When he has a complaint, get all the facts and give him an answer very soon—in a day or two if possible. If he is right, the sooner he is informed and the situation corrected, the better. If you feel that he is wrong, tell him so and explain why you cannot make an adjustment. But in any event, give him your decision promptly. Delay gives him the chance to brood over his fancied grievances and to magnify them, and makes him believe that you are deliberately stalling him off. Nothing is more conducive to bad morale than a sullen disgruntled employee, and a sloppy inefficient worker.

In all your dealings with him, try to think how you would react if you were in his place.

When you criticize, be sure it's the method, not the motive, that is questioned. If you can precede the criticism by a recognition of something well done, so much the better. Criticize in private.

Incentive pay generally returns its cost and more; it induces loyalty, interest, and effectiveness; a fair living wage month by month and an annually paid share in profits has proven successful on many farms.

* * * * *

Labor is always favorably impressed by a boss who knows his business and who is resourceful in solving the problems brought to him. These qualities prompt more respect than does leniency.

Labor Direction

It is best for a boss to give the next day's orders the night before. Always give two sets of orders, one for clear weather and one for wet. Give orders clearly and explicitly; make certain they are understood.

If you have a boss man then all orders should be given through him and not directly to his men.

Whenever a man is assigned a job that will not require his entire day then it is important that the next one be assigned to him at the same time. He must not have to return to the barns or to seek out his boss to find out what to do next.

When a man leaves the barns to perform a job it is important that he take with him all the tools he needs for that job or all the common repair parts that he might need for the machine he is using (such as guards and sections for a mower); this to avoid frequently wasted time running back and forth between the barn and the job.

Be careful about sending men to a distant area for less than a day or half day of work; too much time is lost coming and going in proportion to the time that is actually worked.

Rainy weather work must be planned in advance and the foreman have a good amount of it in his mind with needed supplies in the shop.

The number of days per year suitable for work on the land is rela-

tively small, so whenever conditions are right then all labor must be concentrated on the land, plowing, hauling out manure, ordering, seeding or harvesting. Wasteful, for instance, to have men bring in fire wood on a rare day in the winter suitable for plowing.

Work men in the proper numbers per gang. The tendency of a foreman is to try to use every man he has on every job he tackles; most jobs require for best efficiency a different number of men. Simple incidences; in manual digging of post holes one man is more economical labor than two, for with two men on the same post hole one must wait while the other uses the digging bar, the other wait while his mate uses the shovel. Rarely does truck delivery of cattle require two men.

Common labor working as a group must be paced. Often the foreman's principal job is to hold his men to a pace, one that is continuous and economical and still not too fast for them.

With modern tractors and wagons it is frequently possible (straightness of roads and approaches to gates permitting) to pull two wagons behind one tractor. This will reduce the waste occurring when one man rides idle back and forth to the fields just to aid the loading or unloading.

Let each man report at quiting time anything out of order with the machines he has been using that day.

The tendency of farm hands is to waste feed inordinately. The owner, the manager, must constantly have his eye out to prevent it.

Owner, manager, foreman, and men ought not to smoke around any barns. Definite NO SMOKING areas should be established. Fire losses, though presumibly covered by insurance, yet cost a great deal in energy and thought, inconvenience and delays. Naturally there is nothing wrong with men smoking out in the fields and even when operating combines, balers and forage choppers and such implements.

Picking up around the farm is a continuous job and the men should be trained to it. An aid in training them is a rule that before they leave on any day of part-work everything must be picked up before they quit. This applies particularly to farms that don't work all day Saturday.

Common forms of stalling;

Back to the barn for a tool or to the spring for a drink more often than is necessary.

Allowing too much time going to and from the job at noon or at the day end.

Carrying feed to the barn and then coming back for a second less-than-load and carrying it to another barn.

To teach boys to work and to train them to do a job is harder than doing the job oneself. So if you hire any boys you must be careful they do not just follow the foreman around but that he expends the necessary effort teaching them.

Every extra man hired should be with added business expected.

Do not let one man of equal or inferior rank report the lapses of another; as interesting and useful as such reports may be they tend to destroy the harmony of your outfit.

Be careful not to show favoritism (or even to appear to) with respect to hours or ease of work or personal attention. An apprentice on your farm working with your men but getting attention they do not, can create discontent.

Working with a man is the best way to get a knowledge of him.

A boss man gains understanding of value to him by doing every farm job occasionally.

Seemingly careless accidents and break downs, no matter how exasperating, must be considered from all aspects before a word is said in ire.

A farm worker of any sort is always apt to come up with a suggestion of merit.

No matter how promptly you insist on men getting through with chores and away to the fields, no matter how pressing the field work, checking, greasing and oiling and servicing machines must not be by-passed.

"Hire 'em young and fire 'em quick" is an out-of-date adage—yet the younger you hire a man the more apt he is to form up to your requirements. Also if a man does not suit after a fair trial there is little use in keeping him on.

On the farm the boss usually has to say to his men "come on" not "go on".

Knowledge of a job is best acquired by the doing of that job with full responsibility for its outcome.

Labor Saving

When labor was allocated during the war the government allowed for the care of beef cattle one man for each 160 head of mature beasts. For a purebred herd that fits and shows and hand-breeds and has winter calves, that is not enough. For an ordinary breeding herd of grade cattle or for steers in droves the equivalent in man hours of one man for each 160 head is generally adequate when the work is well lined up. This does not usually mean that one man actually takes care of that many cattle; it is more apt to be the equivalent of the total number of hours per day of feeding and cattle tending on the part of all farm hands.

Once a day feeding of all mature cattle that are not being fitted for show or sale or finished for market, is adequate and economical though perhaps requiring a speck more feed than twice a day feeding.

If the herd is split up into several units, chore work is increased. Try to keep the droves as large as possible and get them centrally located.

A stout efficient holding chute, and sorting yards and gates; also loading chute handy in all details, are labor savers of the first order.

Stone walks and roads in feed lots save labor — many times less energy is required to walk over crushed stone than to trudge through mud.

On farms of some acreage where cattle must be moved about or inspected at a distance, one man can accomplish more on a horse than he can on foot or in a jeep.

Wherever possible move cattle to the feed instead of feed to the cattle.

Castrate and identify calves while they are small and easy to handle.

Consider grass silage for cutting down labor in hay curing. The equipment need not be expensive. On large enterprises much labor is saved.

The longer the pasture season the lower the labor requirement.

Locate rough feed as near feeding racks as possible. Trench silos often can be constructed so the feed can be thrown directly into a feed bunk. Some people are self-feeding cattle out of the trench.

Locate grain room near grain feeding yards.

Bedding should always be near the pens where it is used and over head if possible.

Let each drinking trough handle two pens at once.

Don't carry baled hay or silage in feeding cattle if over head tract

or silage cart can be used. Put as many jobs on wheels as possible.

Make good use of electric fences in dividing pasture areas.

Hold to a minimum the number of posts supporting the roof of the open shed, even though more expensive beams may be required. Keep head room ample. This will make it easier to get tractors, loaders and manure spreaders in.

Many people no longer use a man in the silo continuously when filling. But a man must go into the silo from time to time to level off; that is unless you use a machine that has just come off the market for automatic or continuous even spreading of the silage as the blower pipe delivers it.

Moving cattle afoot or on horseback a man should always carry a stick, which enlarges his stature as a barrier, saving him steps and the cattle movement. It is used to guide, rarely to strike with. Highly desireable is a stick of bamboo, light to carry, quick to use, and inflicting mild punishment when a beast must be struck. Bamboo is easily grown on most Virginia farms.

Investment

Farm once purchased (with fertile soil, ample water, a proper balance between sorts of land, grazing, plow, and woodlands) economy dictates the next funds be put into cattle, capital goods that directly produce income.

Simultaneously the production of feed begins but here conservatism must be applied in the purchase of machinery and the construction of barns.

Small farms cannot stand expensive machinery such as balers, field and forage choppers, and the like.

Even larger farms should study cost of custom work before buying certain implements. Remember that when you buy a machine you lose interest on your money, you have annually at least a ten percent depreciation or obsolescent charge regardless of the number of days the machine is used; also repairs are apt to run ten percent per year over a period of the life of the implement.

Barn investment is held to a minimum; barns should be regarded primarily for feed storage and for convenience of feeding, and as saving manure for the plow fields, rather than as protection for cattle.

Until the farm has accumulated cash, fencing investment may be reduced by means of temporary electric fences.

Machinery

Repair and maintenance of the more numerous and more complicated farm implements, formerly considered odd rainy day jobs, must now be regarded as jobs to be done by a date, even though indoor work during good outdoor days is involved. The estimate of several modern farmers is that less time is required on crops or on cattle husbandry than is need for maintenance of property, machines, buildings, fences, cattle guards and roads. No longer an incidental task, farmers, like factory men and railroaders, must plan systematic maintenance.

Though the loss in time due to machinery breakage is not easily expressed in dollars, it is probably greater than the cost of repairs. The few hours per year a farm implement is customarily needed, and the advantage of pushing ahead with work while weather permits, renders breakdowns costly. Grain ready for the combine today but the combine not ready for work until tomorrow, one day of delay on a two-day job, a spell of rain following the first day then a field of grain may be lost.

An instrument to record the hours of operations may be purchased for a tractor. With this (or without) a maintenance chart may be used to make certain all needed attention is applied as required; battery, tires, oil, and greasing. A well equipped and maintained work shop is a necessity. Some of the power tools frequently used are; drill press, electric drills, air compressor, air grease gun, battery charger, wood saw, power hacksaw.

The intrigue of improvements and new devices cause more machinery replacements than does actual need. When you must economize your present machine will last you far longer than you might expect; when you yourself trade it in it only finds its way to another farmer for more years of use.

A good mechanic can effect savings by buying second hand or slightly obsolete machinery, rightly selected and knowingly maintained.

Because of their excessive repair cost a diesel tractor is not generally considered economical for farm use. One is considered advisable only when one man (and a capable one) alone operates it.

Be on the look out for the coming of bottled gas to the east for tractor fuel; it is considered lowered cost and more efficient.

High Production Per Acre

Management here plays the leading role just as it does elsewhere. For instance; fall plowing of heavy soils has advantages known to all, but all do not get it done. Fall haying, corn picking, seeding, take precedence over plowing, but top operators, successfully out-maneuvering the weather, get all fall work, including plowing, done in the fall.

With crops one item surpasses all others as a factor in low cost: high yield per acre. It overweighs labor expended, feeding, and all else. You move over the ground the same number of times for a high yield as you do for a low one.

All ordinary feed for the ordinary farm must come from its own land—nothing bought but concentrates and they held to a minimum need by means of legume hay. An exception to the no-buying regimen is where feed is bought for a particular job such as finishing a drove of steers, not bought for the ordinary maintenance of the herd.

Soil fertility can be increased more rapidly than heretofore: all approaches must be followed, barnyard manure, green manure, and manufactured fertilizers.

Certainly barnyard manure is still the best fertilizer for crops, particularly when properly balanced with commercial fertilizers. For the sake of quantity and quality of manure all crops grown on the farm should be fed on the farm. Cattle should be fed under cover to prevent leaching away of their manure. Abundant bedding should be used to absorb the valuable liquid manures.

What you buy for crops—seeds and fertilizers—must be of the best and should be used in the maximum amounts recommended.

For beef cattle two maximums are sought—a maximum of grazing and a maximum of winter roughage.

To obtain these there is a combination of procedures great enough to satisfy the inherent individuality of farmers and to mesh with all the dissimilarities of farms.

One procedure, as an example: February fertilization of orchard grass and ladino, March grazing of it. June ensiling, August cutting for dry hay, and October grazing. (Ample fertilization at proper seasons is assumed).

Regard grass and its production as you would a crop, just like grain. Some or all of these procedures are indicated—test and treat soil

—tear up or disk old sod—seed desirable legumes and grasses—control grazing—control weeds by clipping.

One of the "payingest" jobs on the farm has always been considered to be mowing of pastures. By reducing weed growth it saves moisture and fertility for the grass; by keeping the grass short it keeps it tender and palatable. Even new growth of weeds will come in for some grazing.

The greatest amount of winter cattle feed per acre comes from corn silage, and comes with more certainty than from any other crop. Drought reduces yields but rarely is there a total failure of a silage corn crop.

If but one field permits a short haul when silos are filled, then that one field may be used year after year for corn provided a cover crop is sown right after the silage has been taken off and provided also that there is an annual covering of manure. The cover crop may be grazed during the winter preferably with sheep that will cut it up less in wet weather. Contrary to expectations, cattle will eat over such a crop even when freshly spread with manure.

Far greater skill is required to get alfalfa up top quality, than is needed to grow it.

An acre of first cutting legume hay made into silage will go further in a feed bunk than the same acre in dry hay, and can be made in almost any kind of weather and with less skill in handling. You get 3 tons of silage where you get 1 ton of dry hay. 2½ tons of grass silage feed out like 1 ton of dry hay.

Weather permitting, jobs on the farm ought to be pushed: interruptions can come from so many directions the nicety of the work with resulting extra yield (often the profit) can be lost.

Unique and clever ideas are not crucial to high yields; the crux is how close you come to the optimum in the accepted standards for plowing, ordering, planting, and harvesting.

Vogues are prevalent among farmers. Vogues are perhaps just premature acceptance of new crops and new procedures before there has taken place the only certain experimentation, which is wide farm use. During the last few decades these crops have been thought to have prodigious usefulness, sweet clover, soybeans, lespedeza; all with use but a more limited one than at first thought.

Conflicting: big yields of small grain are not always advantageous. They come with big straw which tends to kill out the grass and clover the grain has been shielding. For this reason some people sow only a bushel of grain to the acre.

"A Handbook of Agronomy" (Agronomy Department, Virginia Polytechnic Institute, Blacksburg, Virginia) gives in brief all the data used in connection with crops.

High Production Per Cow.

Profit hinges upon these attributes of your cattle:

Fertility and breeding efficiency (calf crop percentage, concentration of calving, active bulls.)

Birth weight (the middle of the road—large enough for maximum survival and yet not too large for easy calving.)

Mothering ability (care of calf, maternal instincts, and milkiness—frequently an overly fat cow is a poor milker.)

Type (a good cow should "do good and look good": a poor type cow "doing good" may be the source of more poor type in later generations).

Gaining ability (rapid gains—feed consuming efficiency). As feeders and as slaughter stock. Market grade; slaughter grade; yield of eatable meat; yield of high price cuts; quality

of meat (flavor, tenderness, percentage of lean to fat and bone).

Longevity; temperament; suitability to environment. Resistance to disease and parasites.

The pride of the grade breeder is in the herd, its uniformly high merit, because his income is borne upon only by averages, little influenced by extreme top prices for individuals.

High Production Per Cow—Calf Crop.

Production efficiency of a herd is measured by Calf Crop.

The difference between low average or high calf crop is crucial. With a small herd a 100% crop may be expected, the percentage decreasing down to 85% for very large herds. 420 cows in a certain exceptionally well managed herd produced 398 calves in a year, a 95% crop.

A beef cow carried twelve months with no calf paid to you by her, represents a total loss of her year's keep—she gives you nothing to compensate, no milk as a dairy cow might, no wool as a ewe would.

First make certain all is well with your bull, that his services are effective. A first season bull, or one new to your herd, must always be suspect. If your cows are not already identified individually, then identify a few by clip mark, chain or brand, and watch how many return to your new bull. Replace him on first evidence. Too frequently an entire calf crop is lost or seriously delayed by bulls not known to be shy breeders.

Best of all is to buy your new bull in advance of need and to try him on a few cows the season before you dispense with your proven sire. See that he is a sure calf getter and that his calves are the right sort.

Safest not to turn your bull, three years of age or over, with more than 35 or 40 cows—your two-year-old bull with not more than 20—your yearling bull should be used but once or twice a week and always bred by hand and not running at any time with open females.

Winter your old herd bull to strengthen rather than to fatten him. Use for instance a ration of crushed oats and bright green, leafy, soft stem-legume hay; or use mixed grain with a wide variety of the various proteins, and grass hay for roughage.

If your aged bull is transported (when for instance you own him with another breeder) he should first be strapped up to safeguard his fertility.

Many commercial breeders cull from their herds each fall all cows that have borne no calf that year or whose calf has been inferior or late.

Joe Coyner, a pioneer Virginia Angus man, culled from his herd all cows not producing a calf every eleven months. Doing that the calving season is changed each year, also the cow must be better cared for as she has less recovery time between calves.

Fertility is an inherited characteristic of breeds also of individuals. A shy breeder doctored into pregnancy, might well begin in your herd a strain of erratic breeders.

Breeding is related to feeding.

High fertility requires enough of the necessary nutrients, proper quality especially of roughage, also needed amounts of protein and minerals.

Nature protects the undernourished animal by withholding conception which would increase its requirements.

Many experienced breeders would cull a grade cow from the herd after she had 6 or so non-effective services.

Heavily fed heifers are a little apt not to come into season as regularly as they should.

The unverified thought of some breeders is that Bang's vaccination of heifers renders them a mite harder to get in calf. Even if so, vaccination is still worth it.

Percentage of cows conceiving from 1st service (should be about 60%), also from second and third services (total of 3 services about 80 to 85%)

Number of services per conception to fertile cows—should be about two.

Percentage of sterile females—should not be over 10% plus about 5% for disease-free abortions. This applies particularly to large herds of range cattle.

One investigator reports these conceptions:

	Settle 1st service	Services to settle Fertile females	Service per conception. All females, sterile and fertile
Cows	61.7%	1.68	1.92
Heifers	57.5%	1.74	2.03

About the same percentage of sterile cows as there are sterile heifers.

Conception rate remains the same until cows reach 10 to 12 years of age when it begins to decline.

Both sires and females are of different levels of fertility. As fertility in one sex decreases the fertility level in the opposite sex becomes of greater importance. As females decrease in fertily they should be served by the most fertile bull available. Also put the more fertile bull to heifers.

With purebred cattle intensely managed, these dates should be recorded, for each cow—calving, heat, services.

Heat period of 18 to 23 days (averaging 20) is easy to miss. Watch for these signs:

Mounting and standing. The cow standing is the one in heat.

Irregularity of individuals to feeding and watering routine of the herd.

Restless and nervous action.

Secretion of mucus.

Ruffled hair and skinned condition about the tail head and rump.

Muddy streaks along flanks.

Two cows in heat often stand together.

A stag in a herd aids detection.

A bloody discharge usually appears the second day after heat.

Heat period of beef cattle is of shorter duration than for dairy cattle. Beef cows found in heat in the early morning will usually be out by afternoon; those found in the afternoon will be out by the next morning. Thus for hand mating the herd must be seen twice a day, morning and afternoon.

The egg is not released within the female until 7 to 15 hours after the heat period has ended. Semen from the bull lives 24 to 30 hours after implantation in the cow and requires 4 to 6 hours to reach the egg (which lives for about 6 hours). Thus in hand mating, for a high rate of first service conceptions a definite time for service is necessary. Best time is soon after heat is first observed.

If more than 10% of your purebred cows turn out to be sterile any one year, you should consult your veterinarian.

A valuable cow having had trouble calving or having displayed an abnormality after calving (retained placenta, or discharge), should be examined by a vet before rebreeding.

The Essence of Beef Production Is Low Cost.

An aid to good conditions of reproductive organs is the 60 days or more of rest between calving and rebreeding. Also an aid, the one or two "free" heat periods without service during that time.

After three services and no conception most purebred breeders continue with a fourth and fifth service, which is usually futile. The better way is to call a vet after the third service, also to give a sexual rest without services and lasting thru several heat periods before additional services.

Too frequent heat periods indicate cystic-ovaries which usually respond to treatment if applied early.

High Production. Good Doers.

Side by side and inseparably go two requisites of beef cattle; they must thrive easily; they must thrive rightly. The scales reveal only part: a single standard is not possible. To gain heavily on a minimum amount of feed is alone not enough; with it must go development of the cuts that are expensive, fattening in and over the meat, and dying with a high edible yield.

Except under heavy pasture breeding, your mature herd bull must stay fat, not for his own sake but as constant evidence that he, the most infuential individual in the herd, is the right sort, a good doer.

A bull is most often selected because of his type and quality and the placing of his flesh at the time of purchase. What effort was needed to put that flesh on him only the seller knows. So if your herd bull later reveals himself to you as one that "eats and grows thin" he must be ditched.

To buy a highly fitted bull that must immediately be let down for use, is not inconsistent. The manner of converting feed is an essential of beef cattle. That the bull you use fattens smoothly, deeply, and freely, is the best single certainty that what you produce will do so. The fitted bull reveals his ability.

No reflection is cast upon a cow's good doing ability if she comes out of the winter thin. She has a calf at side to drag her down, also she has been econofically fed to subsist well but not to fatten. Her test comes on grass; she should gain some with calf at side; she should shoot ahead between fall and winter with her calf off and looking out for herself alone.

A cow may be preferred because of the abundance of her milk and the resulting fatness of her calf. Too much milk may render her suspect. Dairywise she may be turning all her feed into milk and, when dry, putting her feed to internal fat. Like begetting like, her son, the market steer, may turn out with fat wrongly placed and excessive, instead of with great muscles well marbled.

A drove of heifer calves coming off their dams in the fall, the fat ones may rightly give you a predisposition toward them as herd replacements. But first choice goes to them only if type is up to fleshing ability.

The feeder calf sale records show clearly that two factors and not one determine the selling price per head; weight and grade. Both being high herdwise along with calving percentage, then your production per cow has been high.

A drove of steers of similar feeder grade may show a wide variation in gain per head per day. The high gainers may eat more but their faster gains will undoubtedly cost less.

The best possible foreknowledge of how a drove of steers will gain comes from knowledge of other droves of the same ancestry or, if you have raised the steers yourself, from acquaintanceship with the dams and sires. By long and meticulous selection of your

cows and your bulls you will forearrange that the steers will live and die right.

Some cattle feeders will wisely reverse the tendency to sell first from a drove of steers those that are first to approach a market finish. These men sell the thinest cattle after a period of fattening; what's left are the good doers, cattle that will continue to use feed profitably.

High Production Per Cow. Type.

The first indications of cows that will grow, live, and produce well are depth and thickness of body; that is, a good middle including an unpinched heart girth. After those features as many refinements as possible are sought.

Quality is discernable in pliability of coat, femininity and masculinity, and in general appearance; in proportion of high price cuts to low; in grade of muscles and in marbling. As markets are more liberally supplied quality is more apt to be sought and paid for.

Size has been experimented with and the conclusion is that the middle size is the most profitable; huge cows as well as the pony sorts are to be avoided.

A good coat of hair indicates a good doer.

For our eastern conditions of production we want a beast that will mature quickly, that will build frame and muscle at the same time, that will have kill at an early age. Our needs are not well met by a calf that will have grown a great heavy frame (an unusual weight) by weaning time, then require four or five years to cover that frame with meat. One that will not attain a finish until it reaches an extreme age, yielding cuts too large for modern housewives, is not wanted. Quick maturing is a breed characteristic often accompanied within the breed by shortness of coupling and depth of the body.

In many cases "dual purpose purebreds" are worth the little extra money they cost. These are purebreds of a cost sufficiently moderate to profitably raise steer and slaughter heifers. From these you can also expect a few farmers' bulls, and some heifers to be sold at better than slaughter prices, registered, and for breeding.

Balance.

One of these forms of the cattle business will be determined upon by the farmer's natural interest, by the lay of the land, the buildings and the capital available.

Choice purebreds and showing.
(For the few not the many).

Purebreds without showing.
(For a breeder who is a merchant).

"Dual purpose" purebreds.
(For the ambitious conservative).

Feeder calf production.
(A volume business).

Grass fat slaughter steers.
(Lots of grass and not much grain).

Fed steers and heifers.
(For grain producers).

Combination of previous four.
(The most flexible).

Each form of the cattle business will better mesh into a particular background, also will require in varying amounts, grass, crops, barns, labor, and special skills.

The Essence of Beef Production Is Low Cost.

The better the balance between grazing and winter feed on the one hand and cattle numbers on the other, the better the operation will profit.

An excess supply of feed on hand to guard against next year's possible shortage seems simple logic, but remember;

The greater the abundance of feed, the greater the tendency to waste.

Grain must be protected against weevil damage throughout the summer.

It is not simple to mow this year's hay in such a way that last year's will be fed out first as it should be.

To get an idea of whether a combination of calves and yearlings or calves alone is more profitable, consider whether two calves will fetch more than one yearling. Also calculate how much more it will cost to carry a cow through the winter than a yearling steer, weighing the cow carrying cost with calf percentage, bull expense, calf lost, and extra handling.

For the past years the trend has been constantly away from heavy slaughter cattle. In many cases the best demand is presently for grain fed steers, choice grade, weighing 1000 pounds or under, which can be obtained at sixteen months of age. The same is true for slaughter heifers except they should not exceed 750 to 800 pounds.

Considering the market demand for lightweight, fed-steers and heifers the trend is currently toward a cow and calf herd joined with a feeding operation; this for the farm capable of ample grain production. Or toward a straight feeder cattle operation for the farm with much grass and little plow land.

Calves on feed will gain two pounds per head per day with less feed than is required for older cattle. This is because they grow and fatten at the same time. A common ration for fattening calves is 1 pound of grain per day for each 100 pounds of their weight, plus 1 pound of supplement and 15 to 20 pounds of corn silage and 3 to 4 pounds of dry hay.

Excess grass is more difficult to sell than is an excess of winter feed. To consume excess grass is also more difficult. Stock purchased in the spring to use the summer's grass and then to go to the fall market rarely return a profit. The loss is marketwise. With the coming of abundant grass in the spring the same idea gets into the minds of many people and market prices rise; the ending of grass in the fall gluts the market and the prices fall.

Feed in hand being abundant or excess grass in sight, an extra supply of steers (purchased or your own feeder calves retained) should be decided upon and acted upon in the fall.

"No elevator owns him" they say of a man who produces his own cattle and the feed for them.

Wintering.

Economy of wintering beef cattle lies in between winter starving and winter fattening of the breeding herd. Either is uneconomical. But there are more instances of the former than of the latter. When in doubt incline toward too much feed rather than too little.

The normal cycle of a mature cow's weight is: maximum at the end of fall grazing season, steady weight until the winter or early spring calf is born, declining weight until grass comes, a slight upswing on grass with a marked improvement in coat appearance, then rapid gains when the milk flow begins to decrease and when the calf is weaned and on through the fall grazing. Between the

end of grazing and the beginning of winter feeding you should see that there be no loss in weight.

The nature of a cow requires that she get her belly full of something each day no matter how low in nutriment that filler may be; her bulky digestive system gets what nutriment there is from such roughage. With the filler she must have enough richer feeds to balance her diet.

The basis for wintering the breeding herd is thus the usage of all the lower grade roughages produced on the farm (corn silage, low grade hay, straw, corn cobs, and corn stover), properly supplemented.

These two new rations have recently been developed to balance low quality roughages;

COB MEAL.

Ground corn cobs (note)	1350 lbs.
32% concentration	350 lbs.
Molasses	225
Urea	30
Bone meal	24
Trace Minerals	1

Note: Grain screenings may replace ground corn cobs. Around 5 lbs. per head is fed daily.

PURDUE A.

Soybean Oil Meal	643.1
Molasses Feed (45% Molasses)	285.8
Bonemeal	51.4
Salt	17.2
Vitamin A Concentrate 2	2.5

Around 3½ lbs. per head is fed daily. Purdue A seems to have its greatest value only when roughage is exceptionally low in quality.

For an ordinary cow to be allowed all the top grade alfalfa hay she could eat would be wasteful. Better to allow her 6 to 10 pounds of such hay (the emphasis here being on top grade, which is quite rare) then let her fill up at the straw stack.

A grain producing farm may well sell the bulk of its grain through its own feed lots, using the by-products for the cow herd with but a portion of the grain as supplement.

Your cattle will eat larger portions of the low grade hay offered them if it has been chopped. They are not able to pull out and let fall to the ground the hard stems and the weeds.

In winter when feed is scarce and more recourse is made to poor roughages special regard must be paid to protein, vitamin A, and minerals, to make certain adequate amounts are fed. If no legume of the right quality is available, then 1 to 1½ pounds of soybean or cotton seed meal will care for protein requirements. Vitamin A, also a mineral mix, may be fed separately. Either procedure should prevent stillborn calves or weak ones.

Cotton seed meal and other meals mixed with the grain on the farm by experienced feeders is thought to be cheaper and more effective than purchased pellets.

Legume hay silage is a complete winter feed for cattle because it contains protein, phosphorus, and minerals. Corn silage, lacking those items, is not a complete winter feed. It is however better for fattening cattle because it is higher in carbohydrates. Straw liberally sprinkled with cane or citrus molasses will permit a mature cow to subsist during the winter, but such wintering should be resorted to only in face of extreme feed shortages.

Some stones are always found in hay whether baled or chopped; they can be fatal to cattle though usually they are not. To keep hay totally free of them seems impossible.

Comparing highly wintered stocker steers with those stingily fed (not losing weight but not gaining at all or not gaining over one-half a pound per day), turned on grass by spring often the two sorts will be of equal weight by July 1st.

The Essence of Beef Production Is Low Cost.

An economy in winter feeding is to let cattle glean the corn fields and stubble fields and browse fall hay and honeysuckle.

With but little loss in yield, winter grain may be grazed during the winter months, preferably by light cattle; if on heavy clay soils that cut up easily, then only when dry (a rare condition in winter); sandy soils are more suitable.

Rye grass is sometimes sown solely to provide winter grazing. Whether this practice is economical on a beef cattle farm may be questioned.

Whether to feed silage to bulls will be answered by some capable men, yes, by others equally capable, no. Not infrequently bulls run right with the cow herd at all times and eat as much silage as the cows do.

Today skilled veterinarians can examine a cow in the fall and tell whether she is to have a calf in the spring; this in case you are undecided whether a calf is certain enough to warrant feeding a cow all winter long.

The winter feeding period may be shortened by fertilization in February of hay fields such as orchard grass and ladino thus getting them ready to graze 2 or 3 weeks before the grass is ready.

"Wintering" is a term hardly applicable to young stock. They are "grown out" and economy is a secondary manner; young stock get their frame during the first two winters and that should be developed to its full potentialities by feeding.

Illustration of amounts growing bulls will eat and should receive:

Weight of Bull.	Feed Per Day.
500 lbs.	14.44 lbs.
600 lbs.	16.71 lbs.
700 lbs.	18.98 lbs.
800 lbs.	21.25 lbs.
900 lbs.	23.52 lbs.
1000 lbs.	25.79 lbs.

Ration fed: alfalfa hay (good quality) 20%; orchard grass hay, 20%: ear corn 50%: meal 10%: all ingredients ground and self-fed.

Marketing. Slaughter cattle; stockers and feeders.

There is always a market for all livestock; never is it utterly impossible to sell. That the price be a profitable one, rests in part on production skill.

Market prices are, as all know, highest in seasons of light supplies.

Grass cattle sell best in July and August, and particularly so if they have been fed a little while on grass.

Fed cattle sell best in the fall and early winter.

Stocker cattle prices are strongest in the spring.

Feeder cattle are in best demand in the fall.

Plain cattle usually come out of the feed lots earlier in the year, the farmer not wanting to handle them while his heavy crop work is on. The light choice steers are more apt to be ready in June and July. The best market for heavy fed cattle of top grades is September and December. Grass cattle do not compete with fed cattle.

Amongst many factors that tell the future of cattle prices, these have a shade more weight than the others:

Future buying by speculators.

Government farm policy.

Corn crop.

Slaughter of she-stock.

To recognize the current peak of a market or to foretell a future

peak is a specialization beyond the astuteness of most farmers (and many economist).

The farmer's best hope is to compromise between the time his stock will reach the market based upon dictates of production on the one hand, and upon average market levels over the years on the other hand. Then prices received must be judged on the average over a period of years. A procedure steadily held to, changing only with fundamental changes, is most profitable for the many.

Peak market runs (resulting in lower prices) come to the market at times when it is natural for stock to be ready. To run counter you face conditions less favorable to production. For example: for prime steers to reach market in December rather than in June (a customarily low point) you must stretch your feeding period past winter. Starting the calves on feed one fall and feeding them on grass in the spring and summer, you must lot them up the next fall and grain feed again. If you use older cattle instead of calves they finish out too heavy. Of if you start yearlings on feed then you feed all through the hot season when gains are lower and when you are busiest with farm work. Also you must forego cheap gains on grass (if you feed corn on grass less grass will be consumed). You must buy corn (if need be) when the marketing season has passed and there is little around, and you must protect it all summer against weevil and deterioration.

Cattle feeders are, in general, speculators. They would rather accept the chance of a handsome profit than to be certain of a moderate one. It was for that reason the elaborate plan of hog futures failed. A procedure had been worked out under which a man could, all in the same day, buy his feeder pigs, buy the feed for them, and sell the finished hogs for future delivery.

Manifestly each cattleman will sell where he himself gets the best deal, but the maintenance of all three sorts of outlets would seem to be for the best good of the business; terminal markets, local auction yards, and packer buying on the farm.

A good reputation is good economy. As knowing of cattle as yard buyers are, they must yet first appraise the cattleman. Cattle looking attractive on the hoof may die poorly because of poor feeding.

For a decade or two lighter cattle have been constantly crowding the heavier ones off the markets. The huge beast is gone; middle weights are decreasing; the thousand pounders get the nod.

Fed heifers are in greater demand on some yards than on others, the trade served being accustomed to the use of heifer beef.

Cattle buyers will frequently come to your farm and give you competitive prices on your cattle, enabling you to hold a sort of an auction of your own.

On-the-farm buyers quote in many different ways which are hard to reduce to a common dollar result. Hardly ever will they quote you one price for the drove straight; always there will be a few outs at a lower price. (You may even find if you are not careful that the outs will develop to be not tails alone but a few of the heavier ones that will go at the lower price). For one buyer or another, delivery points will be different also weighing point; time to be taken off feed is subject to negotiation.

Some farm buyers want you to take your cattle off feed and water at six o'clock the night before they are shipped, and that consequential loss in weight must be considered in price offered. Shipping to local markets, your price received will sometimes be influenced by the arrival time which in turn influences their shrink.

As to drift or shrinkage on the trip to market, what's lost is not marketable material; it is the contents of the stomach and the intestines, the moisture in the meat and such like. On a free and

open market you would never be paid for it; could you get your cattle there without drift at all you would receive less per pound.

Frequently, on-the-farm buyers want a guaranteed shrink of three percent between the scales nearest the feed lot and the final delivery point. This is often excessive because the shrink between the feed lot and the first weighing scales is the heaviest and is not included.

The reason slaughters are so concerned with the shrink in transit yet give the stock a fill of water and hay immediately upon arrival, a seeming inconsistency, is this. Cattle are wrought-up and tense and excited by their trip and if killed in that condition would not bleed well nor would their hides come off easily. Rest and relaxation prompted by water and hay correct the condition.

Before going into the prime steer business be sure of your market; it is constantly shrinking. A prime carcass often brings little more than a choice, but it costs as much to bring a steer from choice to prime as it does all the way from his feeder grade to choice.

Very fat animals (top prime grade) are for a luxury market only. Excess fat is waste, costing more per pound to lay on than lower degrees of fat, also obliging the butcher, the housewife, and the server to throw away part of what has been paid for. Fat adds to flavor and tenderness but not to nutrition.

Feeder calf sales have proven highly satisfactory; they afford the buyer quality, numbers and above all uniform lots. They afford the grower a focus to production and a positive outlet on a certain day; and usually a higher price.

Feeder calf buyers don't want:

Shipping fever.
Heifers supposedly open but actually bred.
Underdeveloped beasts.
Dairy traits.
Horns.
Steers, supposedly, but bulls actually.
Stock that has been roughly handled.

Summer calves that are to go into the fall feeder calf sales are creep fed profitably. It also seems to pay to creep feed all calves when the market is rising because the feeder is glad to buy weight which he can later sell at a higher price. The reverse is that on a fallen market a feeder is reluctant to buy weight that he must sell at a lower price; then he inclines toward a good frame and less fat.

It usually takes western calves about thirty days longer to get over their ship and "go to eating good" than it does natives.

Marketing. Purebreds.

You must appraise your stock keenly, critically, and without prejudice. You must be in touch with current prices, purebred and slaughter, then you must price your private offerings accordingly. If you are one of the few inclined to overplay the merits of your stock remember what Mark Twain is supposed to have said, "Only after a man knows the facts is he at liberty to emblish them".

When market levels are unprofitable you have little ability to raise them. Your recourse is better quality cattle fetching a premium, or lower production cost.

It is uneconomical to hold as bulls any beast that is not fully suitable. "In case of a tie, the knife wins".

A bull sold for breeding purposes that is not a potential improver of the herd he goes into, is a drag on you and on the breed.

Economy dictates that bull production be geared to farmer demand which is the widest. Doing so all of these conditions had best be met:

The Essence of Beef Production Is Low Cost.

TYPE.

Depth and thickness; a good middle, a good hind end; masculinity and quality.

GROWTH. Fully developed for age but without excessive fat; to weigh about 900 to 1000 pounds or so at sixteen months of age.

AGE. Ready for light hand breeding (sixteen months old or so) when farm buyers begin to look for bulls in March and April.

Gain. In addition you may soon encounter buyers influenced by exact figures showing daily weight of gain.

These procedures are profitable:

Feeding of young bulls while on their dams and on grass. Gentling and teaching to stand tied. Clipping of heads and tail heads during the buying season.

Unprofitable generally to train farmer's bulls to lead; a farmer rarely asks for that because he has few occasions to lead his bull. Omit the breaking to lead and reduce the price by the cost of it.

When the pay-off by the purebreds arrives, pedigree is behind the scene and does not come into view. A steer producer rarely asks about a bull's pedigree; all he wants to see is the result of a good pedigree. A pedigree is a prop to breeding, not to sales of the end product.

The knowing bull buyer takes his first view of a bull from behind. From there he sees the breadth of the back and the shape of the quarters.

A high tail head slows a bull's sale out of proportion to its demerits. It is conspicuous but has little influence on carcass value.

The time to sell a bull is when a serious buyer comes to the farm. He should leave with the bull, you with the cash. Be flexible in your dealings; the value of a breeding animal cannot be fixed with slide rule accuracy.

You may have opportunities to sell bulls at weaning time and at less money than they would bring when further grown out. This is undesirable for fear buyers will not grow the bull out well then will become dissatisfied. But the customer's wants cannot be ignored.

In a group of bulls being grown out for your trade one or two will develop disappointingly. It does not pay to carry these further; let the butcher have them. Do not hold beyond one buying season bulls that buyers have passed over; they too should go to the butcher.

If you must break a number of bulls to lead consider a breaking wheel by means of which one bull leads another about. It consist of a 6x6 locust post about 7½ feet long set 2½ feet in concrete. Atop of the post an old wagon wheel with axle and nut is attached horizontally by means of three U bolts. Clamped to the wheel with U bolts and projecting equal distances out from each side is a 4x4 oak about 12 feet long. In each end of oak piece place a ring fastener then tie a bull, previously broken to stand tied. Soon they should be moving in a circle, each leading the other.

You must decide when the occasion arises whether you are willing to sell young bulls about twelve months of age to be turned at that age with a herd of thirty cows or so. That practice is followed by men who don't care whether the bull developes or not; who consider it best to get as much use as possible out of a bull then sell him before the age when he will start going through their poor fences. Strangely, the calf crop is usually normal.

Keeping costs down in the sale of purebred females:

The Essence of Beef Production Is Low Cost.

Judge rightly what you have to sell and determine best means of marketing; these are some of the public outlets;

Cull heifers: directly to the butcher as calves.	No fitting.
Two way heifers; (suitable for fitting for market or for commercial breeding herds). To feeder calf sales.	Creep fed.
Heifers with papers for dual purpose purebred herds to fall calf sales that sell loose and in groups.	Pen-fed and gentled.
Choice breeding heifers (preferably bred) to late fall or spring purebred sales.	Well fitted and broken to lead.
Show prospects. Warrenton auction.	Highly fitted and broken to show.

To stimulate sales at private treaty;

Display only what you have to sell; those you are holding for your herd are held apart, also all tails are out.

Show in droves as uniform as possible. Several head of same type are more impressive than any one of the group shown alone.

Let all stock for sale carry ample flesh to look its best, but not fitted or fattened unless a show prospect.

Judge your buyer and try to show him cattle within the price range he has in mind.

All stock looks better with head and tails clipped.

Quote inclusive prices; papers, pedigree, guarantees as to breeding ability and health; delivery within a certain distance.

A look at the dams and sires of offerings often clinches sales.

Cattle accepted for an auction cannot be offered privately without the sale manager's ready approval but up to the point of acceptance a seller must be ready to do business privately if that is the method the prospective buyer prefers. In a buyer's market the buyer calls the turn.

To gauge the future of purebred prices, the first consideration is "city money" currently influencing it more than any one factor.

Guarantees are full, complete and even liberal. But they extend only to the purchase price of the animal, never including cost to buyers due to animal's failure.

You should maintain the standard terms of sale; cash upon delivery. Established the acceptance of these terms will be a marked factor in your cost when money tightens.

The Health of the Herd.

Routine:

Vaccination of all heifer calves 4 to 8 months of age against Bang's disease.

Vaccination of all calves, heifers, bulls and steers against Blackleg and malignant edema.

Vaccination (a second time) of all yearlings, heifers, bulls and steers against Blackleg and malignant edema.

Vaccination in the fall and during the winter of calves (newly born) and yearlings against Hemorrhagic Septicemia, where indicated.

Establishment of Herd Accreditization for Bang's Disease.

Establishment of Herd Accreditization for Tuberculosis (this of particular value where cattle are frequently consigned to public sales.

External Parasites: See schedule following

Spray for Flies, lice, grubs, etc.

Internal Parasites. Drench when required.

For calves dropped indoors, saturate navel with iodine promptly after birth.

Segregate immediately a cow that aborts and hold apart until cause is learned.

Ailments:

Note immediately all irregularities of condition; suspect the worst and be ready to treat early if an ailment begins.

Regard ailment of any individual as a threat to the health of the entire herd.

Determine nature and cause of every case of sickness. For this purpose use the state diagnostic labs. Carry an entire calf there or the fatal parts (removed by a veterinarian) of a dead beast.

Be careful about using a medicine selected by yourself after a diagnosis of your own. Diagnosis and medication must be exact. Remember dissimilar diseases will often show similar external symptoms.

Watch for these signs of ill-health, present or coming.

Appetite loss.
Afterbirth retained.
Actions or movements contrary to herd.
Bellowing excessively.
Breathing rapidly.
Bloody discharge from mouth, nostrils, rectum or vagina.
Calves weak or premature.
Cud lost or not being chewed.
Depressed.
Diarrhea.
Discharge from nose or from eyes.
Ears down.
Eyes dull and listless, swollen or protruding.
Eating or chewing on unusual materials.
Fever.
Gaunt appearance.
Heat period too frequent or infrequent.
Head thrown in unusual manner.
Haircoat roughened.
Hair lost in spots.
Lameness.
Listlissness.
Milk decreased rapidly.
Muzzle dry or prespiring too freely.
Rubbing excessively.
Skin roughed-up.
Staggering.
Sudden Death.
Swellings.
Sterility.
Udder overextended.
Udder with a hard quarter.
Vagina prematurely swollen.
Vaginal discharges.
Weight lost rapidly.

RECOMMENDED TREATMENT FOR EXTERNAL PARASITES ON LIVESTOCK

Host	Problem	Lb. Insecticide Per 100 Gal. Water DDT (50% DDT)	BHC (12% Gamma)	Lindane (25% Lindane)	Application	Notes
Beef Cattle	Lice	8	2	1	Spray or dip, thoroughly wetting animal. Repeat as necessary	LINDANE can be used at 7-10 day intervals—BHC not more frequently than every three weeks.
	Ticks	—	2	1		
	Sarcoptic Mange Mites	—	3	1½	Thoroughly apply two sprays one week apart.	Young animals including calves under 3 months may be harmed by treatment with BHC or lindane which may not be advisable. Do not soak to skin.
	Horn Flies	8	Mix: 2 lbs. BHC W-12 8 lbs. DDT 100 gal. water		Spray or dip entire animal or infested area as necessary. Repeat at 3-4 week intervals.	
	Mosquitoes & Flies	8				
	Grubs	Mix: 12 ounces 5% rotenone 4 ounces laundry soap 1 gallon water			Apply with scrubbing brush to backs. Best control obtained when applied three times beginning when grubs first show in backs, usually December, January or February.	
	Grubs	Mix: 7½ lbs. 5% rotenone 1 lb. detergent 100 gallons water			This mixture is for spraying but is not effective unless applied under a pressure of at least 300 lbs.	

(Continued on Next Page)

EXTERNAL PARASITES—Continued

	Screw worms & Maggots	Smear 62 or 82 or E. Q. 335 Benzol			E. Q. 335 latest—most effective. Apply to wounds with small paint brush.	
Hogs	Hog Lice	8	4	2	Spray or dip. Repeat as necessary. Thoroughly apply two sprays one week apart.	Treat sheep in fall. In some areas a repeat treatment in the spring after shearing may be advisable.
	Sarcoptic Mange Mites	—	4	2		
Sheep and Goats	Lice	8	2	1		
	Ticks	—	2	1		
	Scab or Scabies	—	3	1½		
Horses	Lice	—	—	1½	Spray or sponge entire animal or infested areas. Repeat as necessary.	Do not use on colts.
Farm Buildings Manure Piles Surrounding Areas	Flies, Mosquitoes, Roaches, Fleas, Ticks, Bedbugs	2 lbs. per 4½ gal.	18-21	1 lb. per 10 gal.	Spray insect resting and breeding places. Repeat as needed.	Get spray into corners, cracks, on doorways, ledges, etc.

For spraying select a bright sunny day and, except for summer, warm for the season; windless too if the spraying is done outdoors. If done inside what spray inadvertently strikes the walls helps to control barn pests.

Put ten or so cattle in a small pen where they cannot move about too much and apply the spray as you would water from a garden hose, covering all parts thoroughly.

Do not use DDT on dairy cows or in dairy barns.

Insecticides are poisonous. Careless handling and improper application may cause harmful effects on operators, animals or food products.

Do not expose the skin to insecticides unneccessarily.

Do not contaminate feed, feed troughs, drinking fountains, and milking utensils.

Cut off the power before applying residual sprays to electric wires or fuse boxes.

Do not strike matches or smoke when applying inflammable sprays.

Do not apply oil solutions to animals in amounts that will wet the skin.

When using a power sprayer, start the sprayer and direct the spray stream into the tank until the material is well mixed before spraying the animals. Follow the same procedure before resuming treatment after the sprayer has been idle.

READ THE DIRECTIONS ON THE LABEL CAREFULLY BEFORE PREPARING SPRAYS.

ARTIFICIAL BREEDING

Long used in dairy herds it is an established practice. Use in Angus herds, though of shorter duration, is increasing.

The American Aberdeen-Angus Breeders' Ass'n permits registration of artificially-sired calves only if the bull is owned by not more than three breeders and is used artificially only by them.

In consequence there are no Angus bulls in the stud of the Virginia Artificial Breeders' Ass'n (Dairy). In other countries Angus bulls are kept in similar studs for use on low producing dairy cows whose calves are certain to be used for veal or for beef. The Angus sire renders them superior.

Semen may be drawn on the average of twice a week from one bull. The number of services from one collection is unlimited, 100 in one case. 600 calves by one bull have been dropped in one calving season.

Semen is diluted 1 to 100 with pasteurized milk with antibiotics added. It may be stored for three or five days under refrigeration.

Charges are about $1.75 per cow for the semen, plus $5.00 to $8.00 for the inseminating.

Cows settle on an average of 1½ services when the inseminator is experienced. The cow is served preferrably four to eight hours after she comes in heat.

Inseminators are trained at the Virginia Stud, Rockymount, Virginia: time required is about two weeks: cost is only room, board, and transportation.

An inseminator's equipment costs about $250, including microscope but excluding refrigerator.

For commercial Angus herds the low cost of bulls and the labor and charges involved in artificial insemination usually render it impractical.

Advantages. Reproductive capacity of a bull greatly increased.

Three breeders pooling their bull money ought to get three times as good a bull as one of them alone could buy.

As with handbreeding, pasture fences do not have to be bull-strong; breeding records are certain; cows seen often, trouble of any sort is promptly noticed.

The hazard of venereal disease is reduced.

Disadvantages. Requires more labor; cows must be seen twice a day and those in season brought to the barn.

There is always a risk of missing a buller, especially in large and wooded pastures.

Cows have to be gentle enough to handle individually.

The American Aberdeen-Angus Ass'n restricts full use.

A Comparison of the Breeding Results From Artificial Insemination and Natural Service.

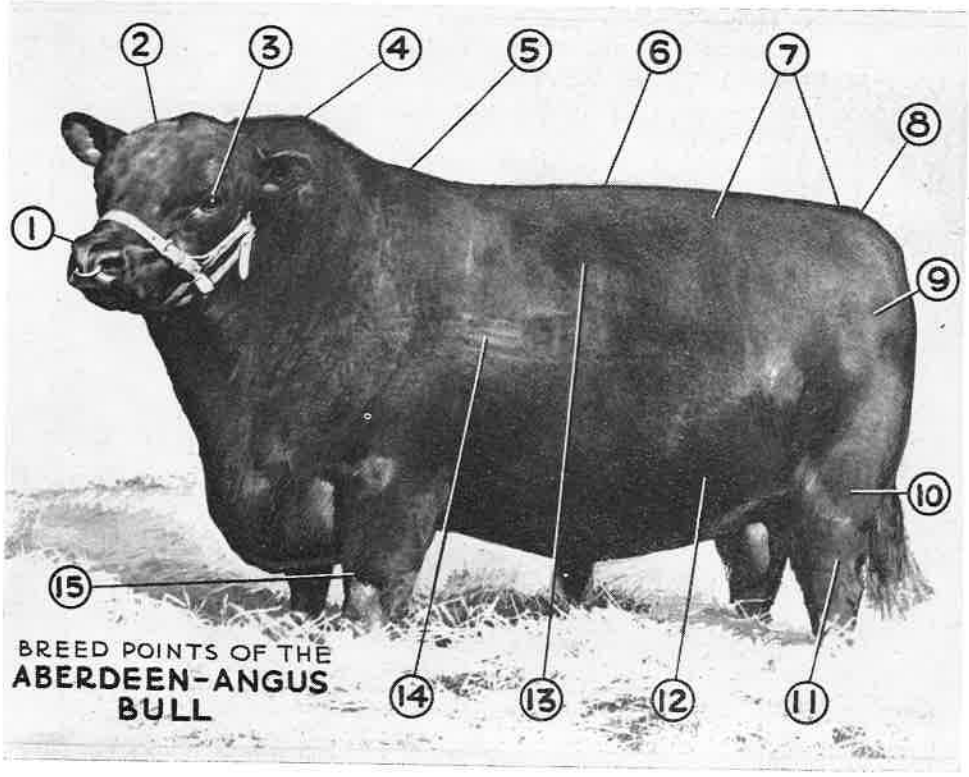
Kind of Service	*Conceptions No.	Cows Conceiving at the Service Indicated: First %	Second %	Third %	Fourth %	Fifth or more %	**Sterile Cows %	Services per Conception to Fertile Cows
Natural Service	22,684	60.1	18.6	7.9	3.2	3.7	6.5	1.80
Artificial Insemination	5,539	61.4	18.7	7.8	3.9	1.7	6.5	1.63
All Artificial Service in One Herd since 1936 (8 years)	639	60.3	18.3	7.8	4.2	3.9	5.5	1.70

About 85 per cent pregnant after three services.

Fertile and Sterile Females two services per conception

* The results given above are based on actual calvings or pregnancy examinations.

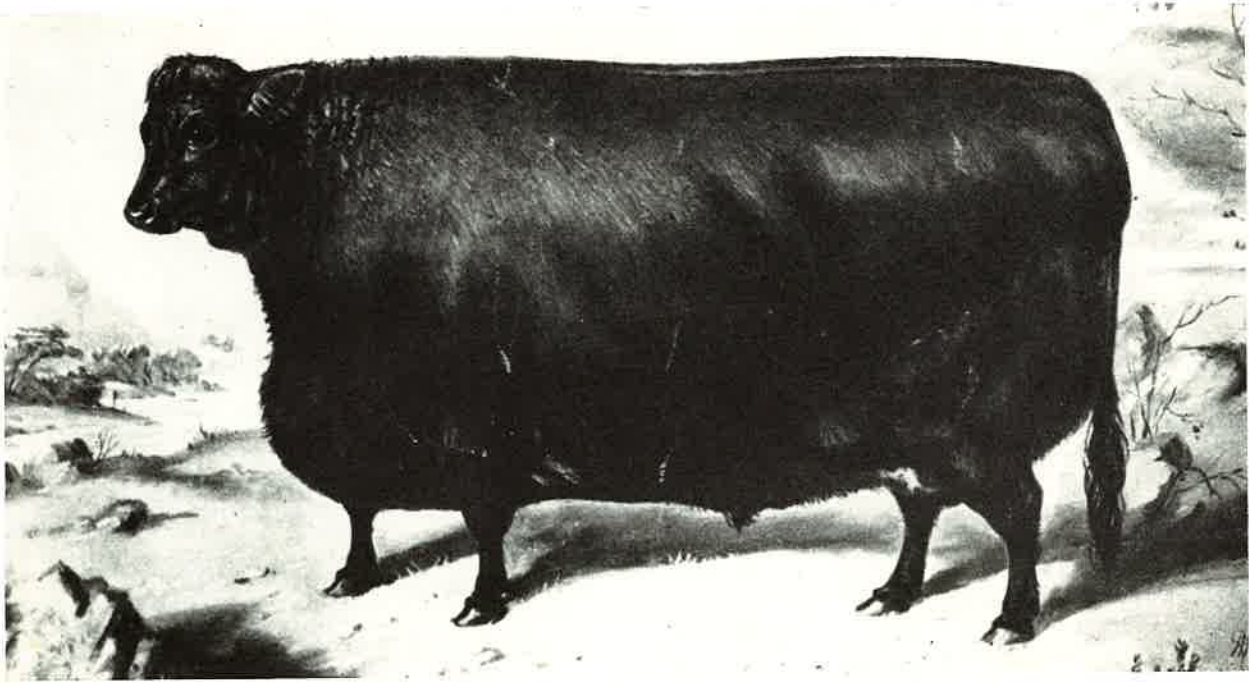
** Herds with poor fertility often have 10 per cent or more sterile cows.



KEY

OUTSTANDING CHARACTERISTICS

1 Muzzle Broad, Nostrils Wide.
2 Forehead Broad, Poll Clean.
3 Eye Bold, Intelligent.
4 Crest Strong.
5 Shoulders Well Laid In.
6 Top Line Straight.
7 Hooks to Pins Wide and Deep.
8 Tail-head Flat.
9 Quarters Heavy and Rounded.
10 Second Thigh Fleshy.
11 Legs Short, Bone Flinty.
12 Flank Full.
13 Ribs Well Sprung.
14 Flesh Mellow, Coat Glossy.
15 Flesh down to Knee.



BLACK PRINCE OF TILLYFOUR. The Champion Ox of 1867. Age 4 years.
Girthed 9 ft. 11 ins. behind the shoulder. Length from top of
to tail head, 6 feet. Weight 2000 lbs.

A HISTORY OF THE ABERDEENS

Because it is a beef breed, whose great purpose it is to produce beef, we may say that the history of the Aberdeen-Angus breed begins with the heifer and steer that Hugh Watson, the gentleman-farmer of Angus, exhibited at the Smithfield Club's Show in 1829.

At the Highland Society's Show at Perth in that year, when, for the first time, a classification for the breed was provided, Watson showed these cattle.

Both ox and heifer were sent to London because of the effect they created at Perth. There the heifer had won the medal given "for extra stock of superior quality," and the Highland Society organisers specially requested that she should be exhibited at Smithfield "as a sample of the excellence to which this breed of Scottish cattle could arrive."

IN THE BEGINNING. At Smithfield the two animals created a sensation. "Particularly admired" at the show, the ox was described by the butcher who bought and slaughtered him as having one of the best carcases he had ever handled, and special mention was made of the fine grain of the meat. As for the heifer, her dead weight was put at about 1,080 lb., she sold for £50; her brisket was not quite eight inches from the ground and the bone of her foreleg was no thicker than that of a red deer.

So impressed by her was Earl Spencer, the then president of the club, that he suggested she should be modelled to be struck off on a medal. On their first Smithfield appearance, evidently, the Aberdeen-Angus had all the characteristics most admired by the butcher and the public—well-grained beef, excellent cutting-up properties, low percentage of waste to edible matter.

Another steer bred by Hugh Watson deserves mention. He was out of Old Grannie, the No. 1 cow in the Aberdeen-Angus Herd Book, who lived to 35½ years and is believed to have been killed by lightning. This steer in 1843 was walked 13 miles to the Highland Show at Dundee and took first prize.

ROYAL FAVOUR. At Belfast the same year, where he took a first also, the Prince Consort bought him. He was shown at Smithfield and sold for slaughter, but when Prince Albert gave him a farewell pat the steer licked his hand, and Queen Victoria (who later became one of the most enthusiastic and successful of Aberdeen-Angus breeders) ordered him to be bought back, and he ended his days "on pension" at Windsor.

Of this steer an oil painting hangs in the offices of the Aberdeen-Angus Cattle Society and a coloured print of this portrait was discovered by a British officer in a native hut on the North-West Frontier of India many years afterwards, suspended above a rude altar and with a printed inscription: "A Polled Angus Ox, the property of H.R.H. Prince Albert and bred by Hugh Watson, of Keillor."

SPREADING FAME. In the 'fifties and 'sixties of last century, under the leadership of William M'Combie, who had succeeded Hugh Watson as the leading breeder and principal exponent of the Aberdeen-Angus breed, the Black Polls of the North-East began to appear at Smithfield in considerable numbers and always with telling effect, their successes during this decade culminating in 1867, when M'Combie's celebrated steer **Black Prince,** 9 ft. 11 in. in girth, won the equivalent of the championship at the Smithfield Show, with another Aberdeen-Angus steer running him up in his class. In those days, and indeed until 1892, there was no separate classification for Aberdeen-Angus cattle at Smithfield.

The breed was developed and its qualities enhanced and concentrated during the Victorian period by very able breeders in Scotland, soon to be joined and emulated by enthusiasts in England and Ireland,

by the dual method of carefully selected mating for breed characteristics and no less effective showing particularly at Fat Stock Shows.

As was said at the beginning of this survey, the breed is intended to produce beef, and its exponents have always concentrated upon that aspect, much as the charms and interest of genetics may have tempted them to forget the ultimate end in the immediate activities of creating fine animals.

In 1872 we find an Aberdeen-Angus ox was champion at Smithfield, an Aberdeen-Angus ox champion at Birmingham, an Aberdeen-Angus heifer best female at York, an Aberdeen-Angus heifer best female at Leeds, an Aberdeen-Angus heifer best female at Inverness, and an Aberdeen-Angus heifer best female at Newcastle-on-Tyne. Thus was the Black Flag shown by the early enthusiasts.

In 1862 the first volume of the Aberdeen-Angus Herd Book was published; in 1879 the Aberdeen-Angus Cattle Society was formed; and in the same year H.M. Queen Victoria became Patron of the Society, an honour which each British Sovereign since has been graciously pleased to continue.

In 1881 Sir William Gordon Cumming of Altyre, won both male and female championships and supreme and reserve championships at Smithfield, the championship being won by the heifer which, at two years eight months old and weighing 15 cwt 3 qr. 24 lb., was the first animal up to that date under three years old to have carried off the principal honour of the Smithfield Club.

QUEEN VICTORIA. It may be mentioned that Queen Victoria won both male and female championships at one Smithfield Show and Mr. J. J. Cridlan accomplished the same feat twice, and Sir Richard Cooper once.

In the past three-quarters of a century the traditions of the previous half-century have been worthily upheld. At home there has been Aberdeen-Angus blood in every Smithfield champion since 1917; since 1867 pure-bred Aberdeen-Angus have won 31 supreme championships; since 1895, when the first carcase competition was instituted at Smithfield, of the 42 shows that have taken place the Aberdeen-Angus have won the carcase competition on 16 occasions, as against 12 for all the other breeds, while on 14 occasions the carcase championship has gone to cross-breds, all of which have had Aberdeen-Angus blood.

BETWEEN WORLD WARS. Between the two wars 20 Smithfield Shows were held, at which the supreme championship was on 12 occasions Aberdeen-Angus and on eight Aberdeen-Angus crosses, and since the war at the three Smithfield Shows a pure-bred Aberdeen-Angus has been supreme twice and a cross-bred with Aberdeen-Angus blood once.

The long succession of triumphs at Smithfield has been paralleled in the great fat stock competitions in other centres of the British Isles and abroad. At the Scottish National Fat Stock Show in Edinburgh the record of the breed is very much the same as in London.

CHAMPIONS ABROAD. At Dublin Aberdeen-Angus win the Christmas Market championship with commendable regularity. In North and South America, South Africa, New Zealand, and Australia the tale is the same. Last year at Chicago, which is the greatest of all the overseas fat stock competitions, every championship was won by Aberdeen-Angus entries—grand champion, single steer, champion junior steer, champion pen of three, champion carlot of 15, grand champion carcase, and a new championship, champion short-feed carlot of 15. All the first ten carcases were Aberdeen-Angus!

News of the same kind comes to the Society's headquarters in this country month after month from all quarters of the globe where the breeding of beef cattle is seriously engaged in. For instance, at the last Rand Spring Show at Johannesburg the supreme championship for

single steer on the hoof and the trophies for the best five, best three, and best two steers were won by Aberdeen-Angus, as well as the championship in the block test or carcase.

At the 1952 Royal Agricultural Society of N.S.W.'s annual fat stock and carcase competition at Sydney there were about 250 steers forward, and Aberdeen-Angus won ten firsts, eight seconds, and six thirds, compared with four firsts, two seconds, and three thirds secured by the next most successful breed. In the principal class, the export steer competition for a pen of three, in which steers were judged first on the hoof and later in carcase, the first five placings went to Aberdeen-Angus. This competition has now been held four years in succession and the winners in each case have been Aberdeen-Angus.

MOST SUCCESSFUL. So the tale goes on, and combined with this remarkable supremacy of the pure-bred Aberdeen-Angus animal there is also to be taken into consideration in countries where cross-breeding for beef is prosecuted to a large extent that the Aberdeen-Angus cross is, next to the pure-bred Aberdeen-Angus itself, the most successful competitor in fat stock shows.

SMITHFIELD FAT STOCK CHAMPIONSHIPS

From first Aberdeen-Angus Classification 1891 to 1952 inclusive

	Best under 15 months	Best Steer under 2 yrs.	Best Heifer under 2 yrs.	Best Steer any age	Best Heifer any age	Overall Champion	Best bred by Exhibitor	Carcase	Total
ABERDEEN-ANGUS	6	8	18	13	29	26	27	17	144
Aberdeen-Angus Crosses	7	10	7	23	15	14	10	14	100
Other Breeds	3	8	2	14	6	10	9	12	64

SCOTTISH NATIONAL FAT STOCK SHOW

From inauguration 1897 to 1952

	Best Steer	Best Heifer	Best Animal	Total
ABERDEEN-ANGUS	10	26	17	53
Aberdeen-Angus Crosses	24	14	22	60
Other Breeds	7	2	3	12

CHICAGO FAT STOCK CHAMPIONSHIPS

Exhibition instituted 1900. Up to and including 1952

	Single Steer	Pen of Three	Carload of 15	Carcase	Total
Total Championships	47	45	47	47	186
ABERDEEN-ANGUS	25	29	39	45	138
Other Breeds and Crosses	22	15	9	2	48

TREATED FENCE POSTS

Alert Farmers—those apt to believe good fences make good neighbors —face these conditions:

Naturally durable fence posts (heart wood of locust and cedar) often are not available in adequate numbers.

The electric fence, useful as it is temporarily, does not replace permanent fence.

Metal posts have not proven satisfactory for general use; cattle crowding against them push them over; also they rust rather quickly.

Concrete posts are heavy and expensive: they are inclined to crack in cold weather especially, unless well reinforced.

Untreated posts of non-durable woods are rendered too expensive by the frequent replacements required.

Conclusion: posts treated with a proven preservative by one of the methods described below.

Treating a post permits the use of a smaller size. 7 feet by 4 inch diameter is satisfactory for a line post: corner, end, and gate post, larger.

Treatment protects against both decay and termites.

Treated posts should last over 20 years, as long as the fence that is hung to it.

CREOSOTE applied under pressure, indicated where,

A large fencing job is required; no slack-time labor available; no suitable timber on the farm.

Pressure treated posts must be purchased; cost more but worth the cost.

PENTACHLOROPHENOL applied by cold-soak method (V. P. I. Forestry Leaflet No. 12)

Best for farm practice and indicated where.

Only the cost of the preservative is reckoned; a few posts are needed annually—primarily for replacements; slack-time labor is available, also suitable timber (sap-pine and red oaks best).

Cold-soak method calls for little equipment.

Posts must be cleanly peeled and thoroughly seasoned (3 to 6 months)

Treatment consists of soaking in preservative 12 to 48 hours, depending on the season.

Cost of preservative about 25c for a post 7 feet by 4 inch dia.

OSMOSE SALTS (V. P. I. Forestry Leaflet No. 13)

For use when post must be sawed and painted.

Best applied at commercial plants; treatment must follow a rigid schedule so this process not recommend for farm operation.

Posts must be freshly cut or otherwise full of water; preservative applied by brushing or dipping, then post must be tightly covered for a month or more.

Sap pine again the surest, tho other species claimed satisfactory.

Posts are cleaner to handle; can be painted as soon as dry.

DIFFUSION METHOD (V. P. I. Forestry Leaflet No. 13).

Expected life of post 8 to 10 years.

Done with green posts, bark left on. Requires about 4 days for posts to stand in Zinc Chloride solution and draw it up into them; requires two months of seasoning after treatment.

FENCE STAPLES.

The conventional U shaped staples will work loose and drop out of treated posts just as they will out of untreated.

A new L shaped milled-shank staple has just come onto the market; it seems to hold better than the old type.

A FEW ASPECTS OF PASTURES

Quality Pastures.

High in protein, minerals, vitamins, and digestibility of organic matter.

Low in fibrous and woody materials.

Pasture Stages.

Best at young, leafy stage of growth, as in early spring when herbage is short. At this time plants like bluegrass and orchard grass are often 20% protein, and the digestibility of their dry matter runs 75 to 80%.

Poorest when plants bloom or head and become stemmy as during late spring and summer. Protein then might be as low as 5%; digestibility of dry matter as low as 50%.

Grazing Management.

Object is to maintain pastures in leafy stage of growth.

Plan is to use a number of different pastures, each one seeded to a different mixture.

Harvest some mixtures in early spring for silage or dry hay, then graze the leafy aftermath during summer when there is commonly a shortage of leafy growth.

Under this scheme more acres are available for grazing in the summer when more are needed.

Fertilization.

This is important regardless of mixtures.

When there is a shortage of clover, feed may be increased by applying nitrogen fertilizers.

Summer applications of nitrogen improve summer grazing.

Late season (August in Northern Virginia, September in Southern) applications of nitrogen accumulate grazing for winter or for late fall.

Unbalance in Ladino Clover—Grass Pastures.

Close grazing or clipping (so grass does not get over 8 to 10 inches high) in the spring holds back the grass so that it does not shade the clover and retard it. Also, the clover is stimulated.

Reversely, to encourage the grass over the clover let it grow in the spring. Don't graze or clip until it is high enough for silage or dry hay.

Plant Foods. A good supply of minerals helps the balance. A shortage of phosphate or potash or mineral hits first in the clover. The supply short, the grass robs the clover of these elements and the clover dies first.

Amount of fertilizer needed cannot be determined accurately. Probably it is 500 pounds per acre per year of 0-14-14.

Watch the comeback after grazing or cutting. If quick, plant food is probably ample. If slow, more is needed.

Reseeding may be necessary if the unbalance exists in the face of management and fertilization.

Grass gone (clover still strong) reseed in spring or fall, first disking lightly, then seeding and covering lightly. If seeded in spring do not graze close then or in early summer.

Clover gone (grass still good) reseed in spring or fall. If in spring keep grass grazed or clipped back to 3 to 5 inches.

In any event there must be plenty of moisture in the soil when reseeding is done.

* * * * *

An Angus bull, aged 15, was pastured with 20 cows, the youngest of which was 20 years old. There were 21 calves, two of the cows having twins, which one failed to settle to service.

WEED KILLERS FOR USE ON PASTURES

In general weeds are easier to kill when small; less chemical is required then when they are young and growing rapidly.

All chemicals listed below are very toxic to vegetable crops and to cotton and tobacco. Spray mists or vapors must not contact them.

Use, if possible, a special sprayer for these chemicals and for no others. Equipment is hard to wash out and residue might be destructive where not intended.

No proven cases are known where materials given below have poisoned livestock, but safest to keep stock away from sprayed areas for two or three weeks.

Before applying it, read the label on your brand of chemical.

Most of these herbicides have approximately four pounds of active ingredient per pound.

The rates suggested below are in terms of **pounds of active ingredient per acre.**

Class of weed	Chemical	Application
Summer annuals pigweed, lambs quarter, jimson weed, etc.	2,4-D amine	½ - 1 lb/A in 10-25 gallons water when weeds are 1-4" high. Repeat if necessary.
Biennials & herbaceous **perennials**		
Stickweed	2,4-D Amine	1 lb/A in 25-30 gal. water in July or just before blossoming.
Hornsenettle	2,4,5-T ester	1½ - 2 lb/A in 10-20 gal. water at blossoming time. Kills clover.
Dock	2,4-D ester	2 lb. at seedling stage in fall. Mature plants hard to kill. Should be sprayed in early summer at same rate.
Onion	2,4-D ester	2 lb. as plants appear in fall. Repeat in Feb. at Temperature above 60°F.
Canada Thistle & other thistles	2,4-D,2,4,5-T ester	2,4-D, 2 lb/A in 25-30 gal. of water before blossom time, repeat applications whenever necessary
Buttercup	2,4-D ester	Same as onion.
Perennials Corralberry (Devil's Shoe String)	2,4-D ester	Cut all growth and allow new sprouts to come out, then spray at 2 lb/A in 40-50 gallons water. Repeat if new growth occurs.
Brush Blackberry, oak, maple, honeysuckle, etc.	2,4-D,2,4,5-T ester	Under 4 ft high, spray with 2 lbs in 50 gallons water and wet thoroughly when growing rapidly. Over 4 ft. cut and allow to sprout rapidly before spraying.
Poison Ivy	2,4,5-T ester	Use 1 point concentrate in 50 gal. water and wet foliage thoroughly in July.

★ ★ ★

CARROLL GROVE, Augusta County, and his grandchampion over all breeds at the Richmond Virginia Junior Fat Stock Show, April 15, 1953 sponsored by The Richmond Chamber of Commerce and 45 Richmond Firms.

BRED BY G. Dayton Hodges, Staunton, Va. PURCHASED BY Kingan and Co., Richmond, Va.

W. M. Gaunt Jr. presenting Colonial Stores Trophy, and L. Dudley George, Chairman Show Committee.

★ ★ ★

RESULTS OF THE 1953 SPRING BABY BEEF SHOWS AND SALES

Date	Place	Champion	Weight	Purchase Price	Purchaser	Exhibitor	County
April 9	Fredericksburg	GRAND — *Angus* Reserve — Hereford	750	.38	Safeway Stores	Herbert Williams	King George
April 14	Charlottesville	GRAND — *Angus* Reserve — *Angus*	970	.40	Thomas Jefferson Inn	Jimmie Graves Harold Hallock	Madison
April 15	Richmond	GRAND — *Angus* Reserve — *Angus*	900	59	Kingham Company	Carrol Grove Bill Thomas	Augusta Loudoun
April 23	Front Royal	GRAND — Hereford Reserve — Hereford					
April 24	Salem	GRAND — *Angus* Reserve — Shorthorn	815	.60	Virginia Markets	Stanley Long	Montgomery
April 27	Winchester	GRAND — *Angus* Reserve — Hereford	915	525	C. M. Hall	Roy McDonald	Frederick
April 29	Bristol	GRAND — *Angus* Reserve — Hereford	1160	57	Furrow Super Market	Nancy Horne	Smythe
April 30	Staunton	GRAND — *Angus* Reserve — *Angus*	885	36	Mick & Mack Market	Billy Hiner Ray Weaver	Augusta
May 1	Courtland	GRAND — *Angus* Reserve — Hereford	1032	.35	Smithfield Packing Co.	G. R. Raiford, Jr.	Southampton
May 7	Portsmouth	GRAND — *Angus* Reserve — *Angus*	987	.56		Raymond Deal Joseph Walker	Norfolk
May 12	Smithfield	GRAND — *Angus* Reserve — Hereford	1090	.47	Smithfield Packing	James M. Edwards	Isle of Wight
May 14	Danville	GRAND — *Angus* Reserve — *Angus*	940	50	Colonial Stores	William Riddle Cary Barksdale	Halifax Pittsylvania
May 15	Petersburg	GRAND — *Angus* Reserve — *Angus*	990	.60	J. S. Ritchie	Berly G. Robinson Effie Morgan	Chesterfield
May 20	Suffolk	GRAND — Hereford Reserve — *Angus*				Glen Burch	
May 23	Richlands	GRAND — Hereford Reserve — Shorthorn	(No Angus Shown)				

THE YOUNT SELF-BREAKING CONTRIVANCE

In Brazil the Aberdeen-Angus had long been used for grading up native cattle. It is interesting to know that the Romo-Sinuano breed in Colombia, which have been considered in the United States as a subject for experiment as drought and heat resisters, traces its descent from an Aberdeen-Angus bull exported to Colombia about half a century ago. These cattle have red coats, but a black skin.

BEEF BREEDS IN NEW ZEALAND

	1924	1928	1950
	%	%	%
Aberdeen-Angus	20.8	30.4	69.6
Herefords	35.1	36.4	24.3
Beef Shorthorns	44.1	33.2	6.1

1953 VIRGINIA FEEDER CALF SALE

Friday	September 18	Ewing
Wednesday	September 23	Charlottesville
Thursday	September 24	Culpeper
Friday	September 25	Orange
Monday	September 28	Roanoke
Tuesday	September 29	Christiansburg (Hereford)
Wednesday	September 30	Buena Vista
Thursday	October 1	Lynchburg
Friday	October 2	Bedford
Friday	October 2	Staunton
Tuesday	October 6	Harrisonburg
Wednesday	October 7	Richmond
Thursday	October 8	South Boston
Thursday	October 8	SW Va. Angus at Wytheville
Friday	October 9	Winchester
Monday	October 12	Monterey
Tuesday	October 13	Front Royal (Rappahannock)
Tuesday	October 13	Abingdon
Wednesday	October 14	Fredericksburg
Wednesday	October 14	Tazewell
Thursday	October 15	Danville
Thursday	October 15	Galax
Friday	October 16	Petersburg
Friday	October 16	Wytheville (Hereford)
Tuesday	October 20	Front Royal (Page)
Wednesday	October 21	Buena Vista (2nd sale)
Friday	October 23	Ewing (2nd sale)

1953 MAJOR EASTERN FAIRS

Date	*State*	*Event*	*Place*
Aug. 24-29	West Virginia	State Fair of West Virginia	Lewisburg
Sept. 2-12	Maryland	Maryland State Fair	Timonium
Sept. 5-12	New York	New York State Fair	Syracuse
Sept. 11-19	Kentucky	Kentucky State Fair	Louisville
Sept. 20-27	Massachusetts	Eastern States Exposition	Springfield
Sept. 21-26	Tennessee	Tennessee State Fair	Nashville
Sept. 24-Oct. 3	Tennessee	Mid South Fair	Memphis
Sept. 25-Oct. 3	Virginia	Atlantic Rural Exposition	Richmond
Sept. 27-Oct. 4	New Jersey	New Jersey State Fair	Trenton
Sept. 28-Oct. 3	Pennsylvania	Bloomsburg Fair	Bloomsburg
Oct. 12-17	South Carolina	Piedmont Interstate Fair	Spartanburg
Oct. 19-24	Georgia	Georgia State Fair	Macon
Oct. 20-24	North Carolina	North Carolina State Fair	Raleigh
Oct. 27 31	Florida	North Florida Fair	Tallahassee

For the Aberdeen-Angus a steer called Black Prince, bred in Aberdeenshire, was imported. When shipped at Liverpool he weighed 2,500 lb., but after the voyage and 90 days' quarantine he had lost 140 lb. At Chicago he won the Sweepstake Prize as the best three-year-old judged by butchers, and the following year at Chicago he was slaughtered and yielded a dressed carcase of 71.3 per cent.

Since then at the U. S. Fat Stock Shows and State Fairs the Aberdeen-Angus has always been very well to the forefront.

Lee D. Butler Award

1952 4-H and F. F. A. Aberdeen-Angus Heifer Calf Project

ATLANTIC RURAL EXPOSITION, INC.
Sept. 19th—Sept. 27th, 1952

Class	Name & Address of Exhibitor	Name of Animal	Registry No.	Placing	Award
1	**Jr. Yearling—Dropped from Jan. 1, 1951 thru April 30, 1951**				
	Jean Rucker, Eastham, Va.	Sunny Min Eric	1416358	1st	$35.00
	Bobby Lee Oakes, Gretna, Va.	Enchantress Erica of Twin Oak	1513429	2nd	25.00
	William Settle, Brandy, Va.	Brandy Rock Lucy 10th	1416541	3rd	20.00
	Barbara Grove, Staunton, Va.	Bonnie Blackcap of G. H.	1385309	4th	15.00
	Billy Bryant, Tye River, Va.	Jenettie Rivers 5"	1497665	5th	10.00
	John Aldridge Stowers, Leesburg, Va.	Tara 2" of Anandale	1398314	6th	5.00
2	**Summer Yearlings—Dropped from May 1, 1951 thru Aug. 31, 1951**				
	Joe Walker, Norfolk, Va.	Miss Salubria 4th	1423820	1st	35.00
	Robert G. Bryant, Tye River, Va.	Lucy Rivers 191"	1497671	2nd	25.00
	Beryl Jean Robertson, Richmond, Va.	Miss Chesterfield	1452593	3rd	20.00
	Ann Renalds, Timberville, Va.	Shenanview Rose	1517956	4th	15.00
	Mary Woodford Ward, Amelia, Va.	Bending River Violet 2"	1438006	5th	10.00
	Byron Ward, Jr., Amelia, Va.	Bending River Blackbird 19"	1438010	6th	5.00
3	**Senior Calves—Dropped from Sept. 1, 1951 thru Dec. 31, 1951**				
	Linda Rucker, Eastham, Va.	Canterbury Eline 30"	1438710	1st	25.00
				2nd	money
4	**Grand Champion Heifer**				
	Jean Rucker, Eastham, Va.	Sunny Min Eric	1416358		200.00
4	**Reserve Champion Heifer**				
	Joe Walker, Norfolk, Va.	Miss Salubria 4th	1423820		75.00
5	**Showmanship**				
	Barbara Grove, Staunton, Va.			1st	30.00
	Joe Walker, Norfolk, Va.			2nd	20.00
	Bobby Lee Oaks, Gretna, Va.			3rd	10.00
	Billy Bryant, Tye River, Va.			4th	5.00
6	**County Group of Three**				
	No Entry				

VIRGINIA FEEDER CALF SALES
1945 — 1952

STEER CALVES	Averages	1945	1946	1947	1948	1949	1950	1951	1952
	Number of head this grade	476	498	*	*	*	*	5,116	5,668
	Price per pound	16.22c	22.07c					41.38c	31.11c
Fancy and Choice	Price per head	$76.31	$109.93					$197.24	$145.28
	Premium over common	$18.90	$ 31.17					$ 55.88	$ 61.38
	Weight	471	496					477	467
	Number of head this grade	1,079	1,327	2,386	2,273	3,065	4,332	3,874	4,758
	Price per pound	15.53c	20.82c	23.30c	30.70c	27.34c	34.52c	38.55c	28.44c
Good	Price per head	$71.30	$100.61	$112.31	$150.31	$132.78	$163.09	$174.27	$126.44
	Premium over common	$13.87	$ 21.85	$ 39.83	$ 37.83	$ 30.85	$ 39.23	$ 32.88	$ 42.54
	Weight	459	485	482	490	486	472	452	445
	Number of head this grade	1,071	1,061	968	812	1,373	2,885	1,858	2,408
	Price per pound	14.44c	19.28c	19.79c	27.93c	24.83c	32.04c	36.22c	25.57c
Medium	Price per head	$62.99	$ 88.72	$ 90.81	$129.94	$116.47	$147.32	$157.90	$110.05
	Premium over common	$ 5.88	$ 9.96	$ 18.33	$ 17.46	$ 14.54	$ 23.46	$ 16.54	$ 26.15
	Weight	436	460	459	465	469	460	436	430
	Number of head this grade	176	182	120	128	195	539	84	140
Common	Price per pound	12.24c	17.04c	16.68c	23.18c	22.15c	27.87c	30.83c	20.80c
	Price per head	$57.41	$ 78.76	$ 72.48	$112.48	$101.93	$123.86	$141.36	$ 83.90
	Weight	469	460	435	485	460	444	458	403
Ave. paid per pound		15.02c	18.75c	22.15c	29.72c	26.40c	33.13c	39.49c	29.05c
Ave. paid per head		$68.12	$ 82.65	$104.93	$143.65	$126.62	$154.08	$181.98	$131.13
Number of actuions		15	15	14	15	15	21	22	22
Number head sold		2,802	2,587	3,475	3,213	4,636	7,825	10,932	12,983

Note: * Choice sold during these years with good and choice.

HEIFER CALVES	Averages	1945	1946	1947	1948	1949	1950	1951	1952
	Number of head this grade	363	455	*	*	*	*	2,920	3,339
	Price per pound	14.44c	19.98c					41.29c	27.13c
Fancy and Choice	Price per head	$62.67	$ 93.88					$181.28	$116.73
	Premium over common	$16.32	$ 26.26					$ 59.71	$ 37.21
	Weight	434	470					439	430
	Number of head this grade	1,011	1,078	1,942	1,419	1,850	2,578	2,132	2,658
	Price per pound	13.88c	19.11c	18.62c	26.57c	25.47c	34.37c	38.38c	23.91c
Good	Price per head	$59.84	$ 84.72	$ 83.94	$121.06	$112.40	$150.90	$161.83	$ 99.89
	Premium over common	$13.49	$ 16.90	$ 22.25	$ 22.03	$ 26.18	$ 38.00	$ 40.26	$ 20.37
	Weight	431	445	451	456	441	439	422	418
	Number of head this grade	840	924	781	495	944	1,672	1,177	1,313
	Price per pound	13.24c	18c	16.31c	24.32c	22.86c	31.16c	35.71c	21.88c
Medium	Price per head	$53.64	$ 76.82	$ 69.33	$103.04	$ 97.49	$132.68	$143.07	$ 87.90
	Premium over common	$ 7.29	$ 9.20	$ 7.64	$ 4.01	$ 11.27	$ 27.22	$ 21.50	$ 8.38
	Weight	405	425	425	424	426	426	401	402
	Number of head this grade	87	127	81	102	208	389	57	93
Common	Price per pound	11.25c	16.10c	15.07c	21.78c	21.02c	26.88c	28.92c	19.59c
	Price per head	$46.35	$ 67.62	$ 61.69	$ 99.03	$ 86.22	$112.90	$121.92	$ 79.52
	Weight	412	420	409	455	410	420	420	406
Ave. Price per pound		13.65c	18.75c	17.91c	25.62c	24.35c	32.57c	39.22c	24.99c
Ave. Price per head		$57.54	$ 82.65	$ 79.35	$116.28	$106.20	$140.76	$166.99	$105.07
Number of Auctions		15	15	14	15	15	21	22	22
Number head sold		2,300	2,587	2,804	2,303	3,080	4,676	6,286	7,408

Note: * Choice sold during these years with good and choice.

INTERNATIONAL GRAND CHAMPIONS OF THE PAST 21 YEARS.

(For earlier champions see 1951 Handbook)

BULLS

Year	Name and Number	Sire	Dam	Family
1952	Ankonian 3216 1186303	Eileenmere 1032 960440	Miss Burgess 10 of Cremona 869903	Miss Burgess
1951	Elban Bardolier 3rd 1071966	Raona's Bardolier 3rd 797562	Elba Empress 56th 794033	Elba
1950	Eileenmere 1050th 1047517	Eileenmere 500th 699155	Elbamera 8th 735603	Elba Erica
1949	Eileenmere 1032nd 960440	Eileenmere 500th 699155	Eulima 179th 680303	Eulima Erica
1948	Prince Sunday 249th 881411	Prince Sunbeam 100th 677649	Elba S. of Sunbeam 557500	Elba Erica
1947	Master Prince of S'beam 1000000	Prince Sunbeam 29th 629408	Edwina 10th of Oklahoma 686237	Enchantress Trojan Erica
1946	Eileenmere 500th 699155	Eileenmere 85th 470007	Edwina 7th G. M. 534304	Eisa Trojan Erica
1941	Wintonier 4th 595052	Rob't the Br. of W'kwire 535560	Ellnora Winton 540899	Eldorene Erica
1940	Glencarn'k Eric of Cremona 52900	Glencarn'k Earl Eric 16 M 502865	Fannie Bess of Ada 451323	Fannie Bess of Ada
1939	Envious Blackcap B 6th 504417	Envious Marshall 3rd 438496	Blackcap Lassie B 9th 459883	Blackcap
1938	Black Prince of Sunbeam 504521	Black Peer of St. Albans 456385	Pride 17th of Sunbeam 407797	Pride
1937	Bandolier of Anoka 6th 525109	Black'd Bandolier of Page 414212	Barbara of Rosemere 47th 382828	Barbara
1936	Epponian 8th of Rosemere 478362	Eileenmere 61st 450556	Epponia C. B. 2nd 452209	Eisa Erica
1935	Eileenmere 85th 470007	Eileenmere 32nd 428072	Enchantrene 364519	Eisa Erica
1934	Black Peer of St. Albans 456385	Eric Revolution 404801	Blackcap Glencarnock 8th 438140	Blackcap
1933	Barb. of Rosemere 64th 452187	Prizemere 101st 407383	Barbara of Rosemere 64th 417703	Barbara
1932	Envious Marshall 3d 438396	Excelsior Marshall 3d 393528	Eulogy of Leamoor 343814	Eisa Erica

COWS

Year	Name and Number	Sire	Dam	Family
1952	Lady Banmere 1551957	Banmere 1289221	Jennifer of Dararm 831352	None
1951	Empress of Shadow Isle 1175541	Prince Eric of Sunbeam 744659	Blackcap Empress 195th 611175	Blackcap Empress
1950	Georgina Eric of Blackpost 1108262	Prince Eric of Sunbeam 744659	Gyp 2nd of Auldich 980537	Ballindalloch Georgina
1949	Pardella M. 1002828	Blackcap Grenadier G R 10" 699213	Morning Call 16" 726997	Mina
1948	Eileenmere's Effie W. 1046911	Effie's Eileenmere J 751875	Bertram's B'cap Sharp 10th 782408	Blackcap
1947	Eisa of R. L. S. 842226	Envious Emulous 692731	Lonjac Eisa 3d 576998	Eisa Erica
1946	Blackcap Tolan 150th 890936	Eileenmere 500th 699155	Blackcap Tolan 79th 564868	Blackcap
1941	Evermere T. 614385	Eileenmene 85th 470007	Sangamon Evergreen 3rd 508686	Evergreen Erica
1940	Erianna B. 6th 566885	Envious Blackcap B 6th 504417	Revianna 449089	Erianna Erica
1939	B'cap Bessie 23rd of Page 510405	Revolution of Page 28th 445119	B'cap Bessie Glencarnock 2d 482260	Blackcap
1938	Estamere 505982	Repeater of Wheatland 466817	Esthermere 3rd 470026	Rosemere Esther
1937	Erianna B 2nd 504419	Envious Marshall 3rd 438496	Revianna 449089	Enchantress Erica
1936	Blackcap Tolan 35th 470006	Eileenmere 32d 428072	Blackcap Missie 380118	Blackcap
1935	Blackcap Tolan 35th 470006	Eileenmere 32d 428072	Blackcap Missie 380118	Blackcap
1934	Blackcap Tolan 35th 470006	Eileenmere 32d 428072	Blackcap Missie 380118	Blackcap
1933	Barbara of Rosemere 100th	Prizemere 32d 369132	Barbara of Rosemere 33d 333887	Barbara
1932	Euxida of Woodcote 436157	Echo of Harviestoun 313295	Eulotta 27th of Rockfield 314406	Eisa Erica

There were no shows during the years 1914, 1915, and 1942 to 1946.
During the years 1900, 1901 and 1902 no Grand Champions were awarded.

THE 1952
AMERICAN ABERDEEN-ANGUS BREEDERS' FUTURITY
Louisville, Kentucky

Class	No. Shown	Amt. to 1st Place	Exhibitor	Name of Entry
Summer Senior Yearling Bulls	4	$500.00	Angus Valley Farms, Tulsa, Okla.	Black Knight 27" of Angus Valley
Senior Yearling Bulls	12	500.00	Great Oaks Stock Farm, Rochester, Mich.	Black Bardolier of Den-Mor
Junior Yearling Bulls	20	500.00	C. V. Whitney Farms, Lexington, Ky.	Whitney Bandolier 1318"
Summer Yearling Bulls	20	600.00*	Den-Mor Farms, Wilmington, Ohio	Prince Peer 70" of Den-Mor
Senior Bull Calves	25	600.00*	Shadow Isle Farm, Red Bank, N. J.	Prince of Shadow Isle 84"
Junior Bull Calves	14	600.00*	Red Oak Farms, Rocky Comfort, Mo.	Black Peer of Red Oak 23"
Summer Senior Yearling Heifers	15	400.00	Ankony Farm, Rhinebeck, N. Y.	Ankony Blackbird 37"
Senior Yearling Heifers	23	400.00	Penney & James, Hamilton, Mo.	Homeplace Eisanerica 47"
Junior Yearling Heifers	23	400.00	Angus Valley Farms, Tulsa, Okla.	Miss Prince Eric of Angus Valley
Summer Yearling Heifers	25	500.00*	Enoch & Bob Johnson, Arthur, Iowa	Queen Marie 22"
Senior Heifer Calves	27	500.00*	John J. Tolan, Pleasant Plains, Ill.	Lady Banmere
Junior Heifer Calves	13	500.00*	Shadow Isle Farm, Red Bank, N. J.	Queen of Shadow Isle 14"
Grand Champion Bull			Great Oaks Stock Farms, Rochester, Mich.	Black Bardolier of Den-Mor
Grand Champion Female			Ankony Farm, Rhinebeck, N. Y.	Ankony Blackbird 37"
Supreme Champion			Great Oaks Stock Farms, Rochester, Mich.	Black Bardolier of Den-Mor

* Additional $50.00 paid to nominator of sire.
* Additional $50.00 paid to nominator of dam.

* * * * *

UPGRADING

Opportunity in the Breeding Business: More of the best always needed.
A Survey of 50 herds reveals these percentages.

Grade	Females	Bulls
1	.8	9.8
1—	3.9	29.4
2-:-	24.4	41.2
2	38.0	14.7
2—	23.3	4.9
3-:-	8.4	

THE 1952 ANGUS SCOREBOARD

Of Champions at Major Shows

	Champion Bull	Reserve Champion Bull	Champion Female	Reserve Champion Female
ANGUS FUTURITY	Great Oaks Stock Farm, Rochester, Mich., on Black Bardolier of Denmor.	Shadow Isle Farm ,Red Bank, N. J., on Prince of Shadow Isle 84th.	Ankony Farm, Rhinebeck, N. Y., on Ankony Blackbird 37th.	John J. Tolan, Pleasant Plains, Ill., on Lady Banmere.
OZARK EMPIRE FAIR	Penney & James, Hamilton, Mo., on Homeplace Eileenmere 183d.	Penney & James on Eileenmere 374th.	Penney & James on Homeplace Eisanerica 49th.	Penney & James on Homeplace Elberica 17th.
ILLINOIS STATE FAIR	J. Garrett Tolan, Pleasant Plains, Ill., on Bandoliermere.	F. M. Bradley & Sons, Avon, Ill., on B Bradolier 81st.	West Woodlawn Farms, Creston, Ill., on Effiemere 2d of Sweet Woodlawn.	John J. Tolan, Pleasant Plains, Ill., on Lady Banmere.
MISSOURI STATE FAIR	Penney & James, Hamilton, Mo., on Homeplace Eileenmere 183d.	F. M. Bradley & Sons, Avon, Ill., on Bradolier, 81st.	Penney & James on Homeplace Eisanerica 49th.	Penney & James on Homeplace Blue Lady 2d.
WISCONSIN STATE FAIR	West Woodlawn Farms, Creston, Ill,. on Black Prince MF.	Martin's Rock River Farms, Byron, Ill., on Prince of Shadow Isle 11th.	West Woodlawn on Effiemere 2d of West Woodlawn.	U. of Wisconsin on Eric's Pride 4th of U. W.
IOWA STATE FAIR	J. Garrett Tolan, Pleasant Plains, Ill., on Eileenmere 1550th.	Penney & James, Hamilton, Mo., on Homeplace Eileenmere 183d.	Penney & James on Homeplace Eisanerica 49th.	J. Garrett Tolan on Lady Banmere.
INDIANA STATE FAIR	Warner Grove Farms, Greenville, O., on Eileenmere 1500 WG 14th.	Edmund Cissna & Sons, Chrisney, Ind., on Prince Eric of Elko Bell 5th.	Paul Dennis, Wilmington, O., on Blackbird Princess B of Bar.	Paul Dennis on Erica Princess of Den-Mor.
OHIO STATE FAIR	Warner Grove Farms, Greenville, O., on Eileenmere 1500 WG 14th.	Ohio State U. on Bardoliermere 2d of Bee Mac.	Warner Grove on Barbara McHenry WG 11th.	Ohio State U. on Pridemore Lady G.

NEBRASKA STATE FAIR	J. Garrett Tolan, Pleasant Plains, Ill., on Eileenmere 1550th.	Simon Angus Farm, Madison, Kan., on Prince TT 2d.	Penney & James, on Homeplace Eisanerica 49th.	J. Garrett Tolan on Lady Banmere 26th.
MICHIGAN STATE FAIR	Great Oaks Stock Farm, Rochester, Mich., on Blackbardolier of Den-Mor.	Raona Farms, Williamston, Mich., on Raona's Prince Eric 21st.	Great Oaks Stock Farm on Eileen C 7th of Great Oaks.	Raona Farms on Raona's Mae 7th.
KANSAS FREE FAIR	Simon Angus Farm, Madison, Kan., on Prince TT 2d.	Sunflower Farms, Everest, Kan., on Quality of Ada 6th.	Simon Angus Farm on Blackcap Bessie 252d of SAF.	Simon Angus Farm on Georgina 166th of SAF.
KANSAS STATE FAIR	Simon Angus Farm, Madison, Kan., on Prince 105th of SAF.	None Named.	Penney & James on Homeplace Queen Mother 40th.	None Named.
KENTUCKY STATE FAIR	W. D. Fishback, Versailles, Ky., on Eric Bardolier GA 3d.	Denmor Farms, Wilmington, O., on Prince Denmore 103d.	Dixie Stock Farm, Lancaster, Ky., on Dixie Eurotia Erica.	Denmor Farms on Erica Princess of Den-Mor.
OKLAHOMA STATE FAIR	Orchard Hill Farms, Enid, Okla., on Bandolier of Orchard Hill 2d.	W. C. Hall, El Reno, Okla., on Blacknight 13th of TV.	Orchard Hill Farms, Enid, Okla., on Elga Erica 26th of Orchard Hill.	Robin Hood Farm, Bixby, Okla., on El Tae Georgina 2d.
AMERICAN ROYAL	Mr. & Mrs. S. C. Fullerton, Miami, Okla., on Prince Esquire of Sunbeam.	Simon Angus Farm, Madison, Kan., on Prince 105 of SAF.	West Woodlawn Farm, Creston, Ill., on Effiemere 2d of W. Woodlawn.	Sunbeam Farms, Miami, Okla., on Elaine 6th of Sunbeam.
EASTERN NATIONAL	Cochran & Meadow Lane Farms, North Salem, N. Y., on Ankonian 3216th.	Kinloch Farm, Supply, Va., on Kinlochmere 23d.	Ankony Farm, Rhinebeck, N. Y., on Ankony Blueblood Lady 2d.	Ankony Farm, Rhinebeck, N. Y., on Ankony Blackbird 37th.
INTER-NATIONAL	Cochran & Mealow Lane Farms, North Salem, N. Y., on Ankonian 3216th.	Simon Angus Farms, Madison, Kan., on Prince 105th SAF.	J. Garrett Tolan, Pleasant Plains, Ill., on Lady Banmere.	Sunbeam Farms, Miami, Okla., on Elaine 6th of Sunbeam.
ATLANTIC RURAL EXPOSITION (Va. State Fair)	Kinloch Farm, Supply, Va., on Kinlochmere 23"	Shadow Isle, Red Bank, N. J., on Prince of Shadow Isle 8th.	Shadow Isle, Red Bank, N. J., on Bessie 5th of Shadow Isle.	Lee Hill Farm, Fredericksburg, Va., on Blackcap Bessie LH.

RESULTS OF 1952 CATTLE SALES

Sponsored by

VIRGINIA ABERDEEN-ANGUS ASSOCIATION

1952	Sale	Gross Receipts	No. Lots Sold	Average Per Lot	Sale Cost Per Lot	TOTAL EXPENSE Amount	% Of Sales	% Adv. Expense	% Catalog Mailing
3- 6	Staunton Bull	$ 30,420.00	53	$ 574.00	$ 45.85	$ 2,429.81	9.30	1.77	1.93
3-22	Southside	44,925.00	65	691.00	44.92	2,920.12	6.50	.70	.72
3-31	Orange	45,065.00	51	883.00	86.59	4,416.37	9.80	1.85	1.20
4-28	Staunton	68,135.00	63	1,081.00	101.69	6,406.69	9.40	1.67	.95
5-10	Fredericksburg	32,760.00	66	496.00	44.18	2,915.64	8.90	1.37	2.05
9-13	"Right Off Grass"	49,850.00	111	449.00	44.01	4,885.30	9.80	2.56	1.24
9-20	"Gateway"	24,135.00	59	409.00	48.44	2,847.93	11.80	2.16	2.48
9-23	Capital City	43,910.00	53	828.00	67.11	3,556.71	8.10	2.00	.97
10-25	Fredericksburg Calf	22,080.00	79	299.00	25.16	1,987.20	9.00	1.51	1.81
10-27	"Spotlight"	141,975.00	60	2,366.00	231.89	13,913.55	9.80	2.24	.72
10-30	Farmers' Chance	48,620.00	131	371.00	32.28	4,229.94	8.70	1.94	1.29
11- 7	Orange Fall	29,725.00	57	521.00	54.75	3,121.12	10.50	2.24	1.64
12- 3	Fall-Winter	16,930.00	75	225.00	18.06	1,354.40	8.00	2.21	.60
1952	13 Sponsored Sales	$598,530.00	923	648.00	59.57	$54,984.78	9.18	1.89	1.40
1952	Average per Sale	46,041.00	71			4,221.90			
	In addition (not included in the above) the Association sponsored:								
5-14	Commercial Sale	92,730.00	324	286.00	18.32	5,934.72	6.4	.80	.07

VIRGINIA AUCTION RESULTS

Registered Cattle

Consignment and Private

Angus cattle including calves for breeding.

Year	Cattle	Money	Average
1933	30	$ 2,550.00	$ 85.00
1936	97	20,428.00	211.00
1937	83	22,636.00	273.00
1938	45	12,555.00	279.00
1939	82	21,245.00	259.00
1940	204	49,098.00	221.00
1941	177	48,164.00	272.00
1942	318	101,719.00	320.00
1943	431	172,600.00	400.00
1944	527	171,547.00	326.00
1945	384	148,365.00	386.00
1946	447	217,528.00	487.00
1947	383	212,589.00	555.00
1948	459	292,981.00	638.00
1949	1129	821,380.00	727.00
1950	909	584,429.00	642.94
1951	957	949,710.00	992.38
1952	1505	1,389,360.00	923.18
Total	8167	5,238,884.00	641.46

Commercial Cattle

Year	*Lots*	*Money*	*Average*
1951	142	$ 44,059.00	$310.27
*1952	627	141,007.50	224.89
Total	769	$185,066.50	$240.79

*Number includes calves and steers.

1952 OPERATING STATEMENT

Kind		Amount	% of Total
— Revenue —			
Dues		$ 5,061.50	9.00%
Association Sponsored Sales		26,507.93	47.03
Fees for Managing & Assisting with Auctions & Private Sales other than Association Sponsored		20,699.12	36.77
Gain on Merchcandise and Miscellaneous		297.13	.53
Handbook Gain		3,756.11	6.67
		$56,321.79	100.00%
— Expenses —			
Personnel and U. S. Taxes		$20,598.81	45.85%
Publicity and Promotion		4,900.58	10.94
Supplies, Printing and Postage		4,986.55	10.95
Telephone and Telegraph		1,633.73	3.64
Car Expense		1,333.44	2.97
Association Travel		8,804.53	19.58
Other Overhead & Miscellaneous Expenses:			
Rent	$120.00		
Meetings & Entertaining	803.84		
Subscriptions and Fees	149.44		
Depreciation — Equipment	526.70		
Building Maintenance	383.85		
Bond Premium (D. Canning)	150.00		
Miscellaneous	588.63		
		2,722.46	6.07
Total		$44,980.10	100.00%

BALANCE SHEET AS OF JANUARY 1, 1953

The figures speak for themselves. You'll note we've listed in the right hand column figures for January 1, 1952 for comparison.

Acct. No.	Name	Assets	Liabilities	Jan. 1,1952
101	Peoples National Bank	$33,850.83		$35,656.80
102	National Bank & Trust Co.	755.82		2,176.90
120	Petty Cash	20.00		25.00
200	Inventory of Merchandise	247.86		266.98
201	Inventory of Supplies	50.00		50.00
241	Accts. Rec. Sale Cattle	3,605.40		—O—
242	Accts. Rec. Acccomodation	62.38		792.74
244	Accts. Rec. Handbook	200.00		—O—
246	Prepaid Journal Advertising	842.80		1,074.00
248	Heifer Club Project	939.85		—O—
249	Lee D. Butler Award		32.73	—O—
250	Balance—Cattle Sale Acccount		363.19	160.82
533	Building Fund		12,343.00	2,370.00
6207	Bleachers	100.00		(
6208	Office Equipment	5,267.07		(4,941.35
6209	Auto	2,622.34		(
621	Association Building Lot	5,303.77		3,853.77
622	Association Building	16,540.65		5,189.80
700	Depreciation Reserves		1,875.43	910.00
800	Accounts Payable		785.40	6,940.19
900	Gain or Loss		11,341.69	13,760.38
950	Capital — Surplus		43,672.33	29,911.95
	TOTALS	$70,413.77	$70,413.77	

Standard of Excellence for Aberdeen-Angus Cattle

Points — Description	Score Bull	Score Cow
A. GENERAL APPEARANCE:		
1. Color—Black. White is objectionable except on underline behind the naval, and there only to a moderate extent. A white scrotum in male is undesirable	1	1
2. Size—Well developed according to age. Bulls 1,700 lbs. to 2,100 lbs. at maturity in good flesh. Cows 1,200 lbs. to 1,500 lbs. at maturity in good flesh	2	2
3. Form—Broad, deep, low-set, compact, symmetrical, smooth. Top, bottom and side lines straight. Flanks full. Bull should possess pronounced masculinity. Females should show refinement and combine all female characteristics indicative of being a producer. Walk straight, active with quick step	10	10
4. Quality—Hide, pliable, of medium thickness; mellow to the touch with a thick covering of fine hair; bone clean cut and not too heavy, fleshing smooth	10	10
5. Condition of Flesh Covering—Thick, firm, mellow, even, free from patches, lumps, rolls and ties. Flank and root of tongue full; throat not too heavy	9	7
	32	30
B. HEAD AND NECK:		
1. Head—Forehead: Broad, short, slightly dished, clean cut with well defined poll, flatness being objectionable. Eyes mild, full and expressive, with good width between them. Distance from eyes to nostrils of moderate length. Nostrils wide and open. Ears of good medium size, well set, slightly erect and well covered with hair. Appearance of scurs of buttons disqualify for registration	7	7
2. Neck and Throat—Neck short and thick, full neck vein, blending smoothly into the shoulders. Throat, clean cut without and development of loose flesh or surplus skin underneath	6	5
	13	12
C. FOREQUARTERS:		
1. Shoulders—Moderately oblique, smooth, well covered on blades and top, compact and broad on top. A narrow pointed shoulder top or coarse open shoulder is objectionable	5	4
2. Brisket—Not too prominent. Wide, moderately deep, free from flabby flesh or loose wrinkled skin	2	1
3. Legs—Short, straight and squarely placed. The forearms should show heavy musuclar development, bones fine and dense joints. Clean cut and moderate size	1	1
	8	6
D. BODY:		
1. Chest—Wide on floor and deep, round and well filled back of shoulders	4	4
2. Back—Broad, level from shoulder to tail head. Thickly covered with smooth natural flesh. Hooks moderate in width well laid in	10	10
3. Ribs—Well sprung from backbone—arched, with plenty of length to give depth to body. Neatly joined to the crops and loin, covered with smooth, thick natural flesh well down on ribs. There should be no depression back of the shoulders	8	8
4. Loin—Broad, level, thick, full smooth	8	8
	30	30
E. HINDQUARTERS:		
1. Hooks—Levelu, smooth, well laid in and well covered with flesh, giving a symmetrical appearance	2	2
2. Rump—Long, wide, level; tailhead smooth with tail coming neatly out of the body on a line with the back and hanging at right angles to it	6	6
3. Thighs—Broad, deep, thick and full, carrying well down to the hock, with a well rounded appearance	6	6
4. Twist—Deep and full	2	2
5. Legs—Short, slightly inclined forward below the hocks; muscular above the hocks; bone clean cut, dense and not too heavy	1	1
6. *Udder—not fleshy, coming well forward in line with the body and well up behind; teats squarely placed, well apart and of good size		5
	17	22
Total	100	100

*For heifers under calving age, give the five points allowed for udder in cow for feminine appearance strongly indicating development into a productive matron, combining all of the feminine characteristics.

Note: Score cards are useful to beginners in calling attention to the various parts of the animal, the relative value of each part and the importance of breed characteristics. They are not practical for use in judging in the show ring. The judge must carry the ideal animal in his eye and make his ratings on a comparative basis.

The HOME of the

Black Peer 28th of Angus Valley 1000530	Prince Sunbeam 105th 784382..	Prince Sunbeam 29th .....
		Queen Peeress S. B. .....
	Escora Eston 595883	Eston of Quality
		Erica Escora ....
Erica Ann W. 155th 1031978.	Erian B. 10th 839275	Elbamar 2d .....
		Revianna .....
	Erica Ann 12th 744008	Ericamere of Thousand Hills
		Erica Ann 7th...

BLACK KNIGHT 2nd OF ANGUS VALLEY, 1175483

One of Our Great Quality Cross Herd Sires Invites All Breeders to Attend LEE HILL'S First Quality Cross Sale on September 23, 1953. *"Don't Wait—Make It A Date"*. Our Auctioneers on Hand Will Be PAUL GOOD, HAMILTON JAMES and STAN HAWORTH.

LEE HILL FARM

MR. & MRS. SIDNEY L. SHANNON, JR., Owners Phone 105

QUALITY CROSS

Prince Sunbeam 105th 784382	Prince Sunbeam 29th	Black Prince of Sunbeam .....
		Erica Marie of Sunbeam .....
	Queen Peeress S. B.	Black Peer of St. Albans ...
		Queen of Sunbeam .....
Angus Valley Erica 6th 1033056	Glen Eric of Angus Valley..	Glencarnock Eric of Cremona ...
		Eline of Cremona .....
	Erica 32nd of Logan	Prince Marshall 5th .....
		Erica 11th of Grassland .....

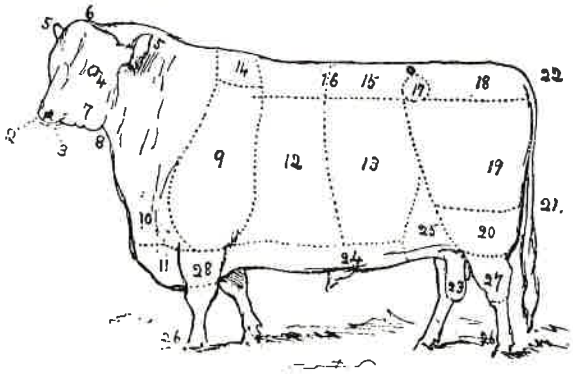
BLACK PEER 116th OF A. V., 1472128

Our Newest Addition At LEE HILL Suggests That You Don't Miss Our Quality Cross Sale; Packed Full of Choice Cattle. Along With Other Great Herd Sires, Some of Our Sale Females Will Be Served By BLACK PEER 116TH.

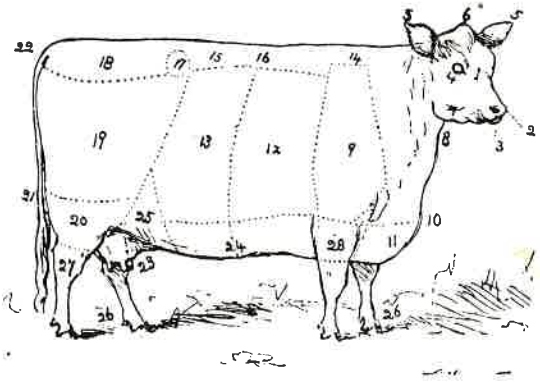
Fredericksburg, Virginia

GEORGE FRY, Cattle Supervisor — Phone 1870

THE ABERDEEN-ANGUS BULL



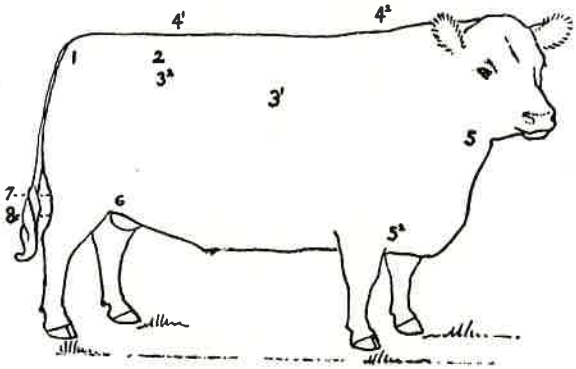
THE ABERDEEN-ANGUS COW



INDEX TO POINTS

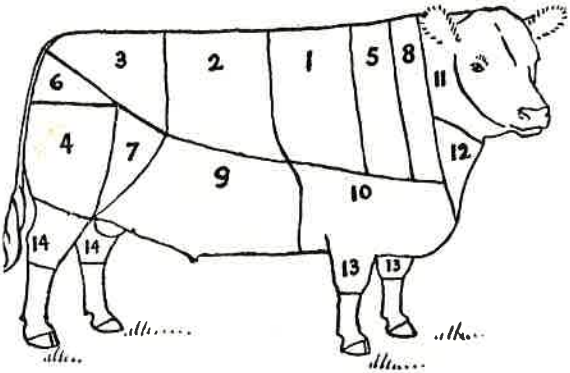
1. Forehead and face
2. Muzzle
3. Nostril
4. Eye
5. Ear
6. Poll
7. Jaws
8. Throat
9. Shoulder
10. Chest
11. Bosom or Brisket
12. Fore Rib
13. Back Rib
14. Crops
15. Loins
16. Back
17. Hooks
18. Rumps
19. Hindquarters
20. Thigh
21. Twist
22. Tail and setting on
23. Cod (or Udder)
24. Underline
25. Flank
26. Legs and bone
27. Hocks
28. Forearm

THE ABERDEEN-ANGUS FAT STEER



1 Pin Bones.	3^1 to 3^2 Skin.	5 Neck Vein.	7 Twist.
2 Loins.	4^1 Back.	5^2 Breast.	8 Between hind legs) Purse.
3 Ribs.	4^2 Chine.	6 Flank.	

Aberdeen-Angus Noted for Wealth of Prime Cuts



FIRST QUALITY

1. Fore Rib (7 ribs).
2. Loin and Wing Rib.
3. Rump.
4. Round.

SECOND QUALITY

5. Mid Rib (3 ribs).
6. Aitch Bone.
7. Thick Flank.

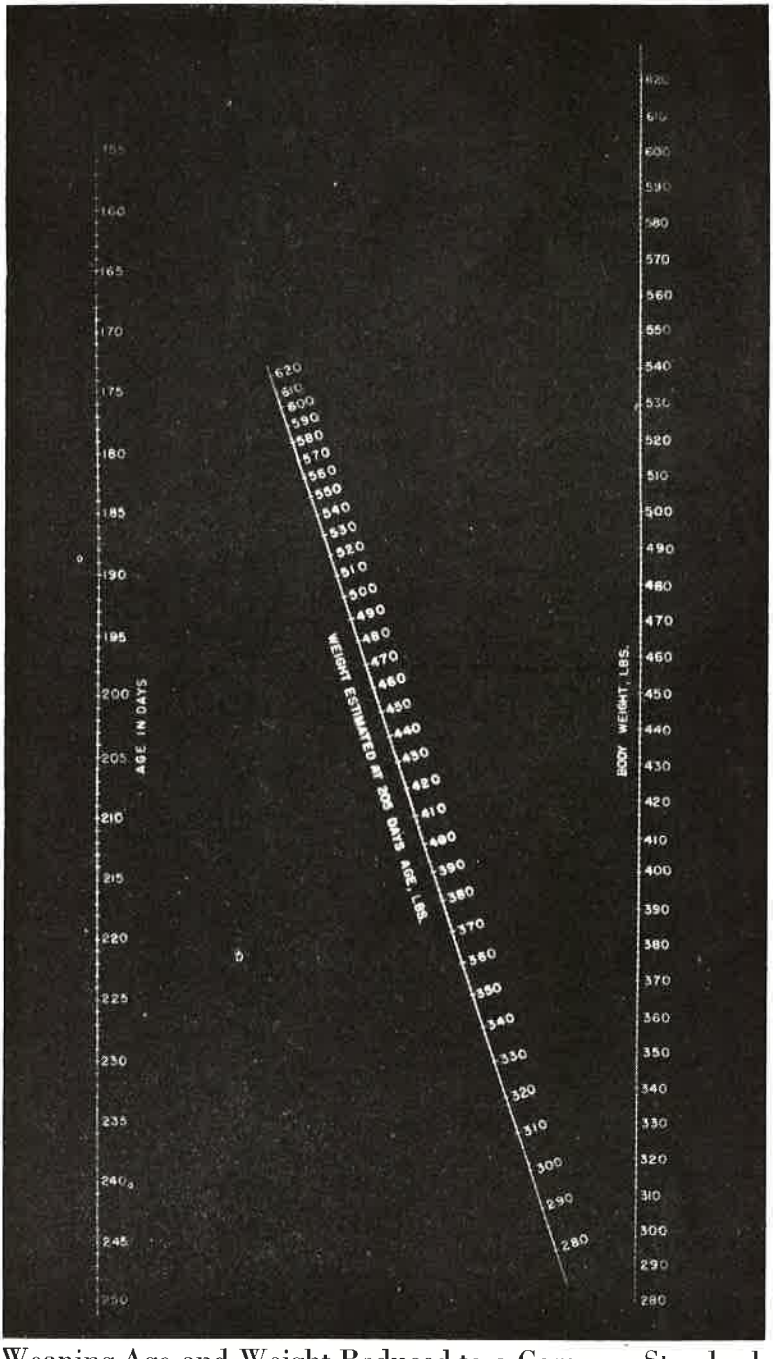
THIRD QUALITY

8. Blade Bone (2 ribs).
9. Thin Flank.
10. Brisket.

FOURTH QUALITY

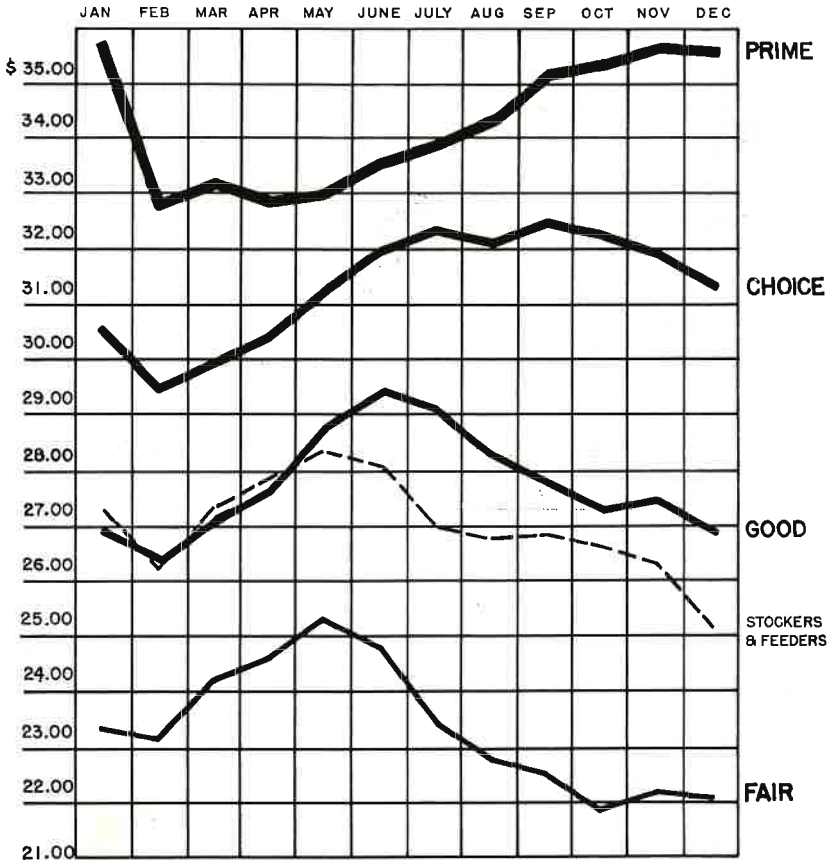
11. Sticking or Neck.
12. The Clod.

13 and 14. Shin and Leg.

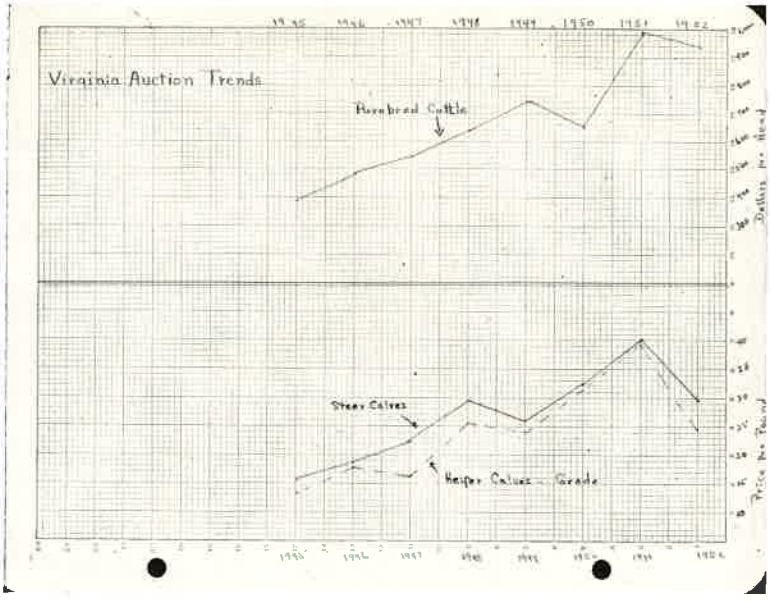


Weaning Age and Weight Reduced to a Common Standard.

MONTHLY SLAUGHTER
STEER AND YEARLING
PRICES BY GRADES*



* FIVE-YEAR AVERAGE 1948 TO 1952



CATTLE AND CALVES PER TRUCK LOAD

Length of Floor	Weight of Calves, lbs. 150	300	450	Weight of Cattle, lbs. 600	800	1,000	1,200	1,400
Feet	No.	No.	No.	No.	No.	No.	No.	No.
8	18	11	8	7	5	4	4	3
10	23	14	10	8	7	6	5	4
11	26	15	12	9	7	6	5	5
12	28	17	13	10	8	7	6	5
13	31	18	14	11	9	8	7	6
14	33	20	15	12	10	8	7	6
15	36	21	16	13	10	9	8	7
16	38	23	17	14	11	10	8	7
17	41	24	19	15	12	10	9	8
18	43	26	20	16	13	11	9	8
20	48	29	22	18	14	12	10	9
22	53	32	24	20	16	13	12	10
24	58	35	27	22	17	15	13	11
26	63	38	29	23	19	16	14	12
28	68	41	31	25	20	17	15	13
30	73	44	34	27	22	19	16	14
32	78	47	36	29	23	20	17	15
34	83	50	39	31	25	21	18	16
36	88	53	41	33	26	22	19	17

Courtesy International Harvester Co.

Length is outside; inside is 6 inches shorter. Width is standard, 7 foot, 6 inches.

SHRINK IN TRANSIT

60 Fat Cattle Hauled 200 Miles by Truck.

POUNDS OF SHRINK

Weight Classes	Number of head in each class	Average Weight	Miles Traveled Between Weighings 0-25	25-50	50-100	100-200	Total Pounds
			(Pounds)	(Pounds)	(Pounds)	(Pounds)	
Group Average	**60**	**1124**	**20.5**	**8.2**	**8.7**	**6.9**	**44.3**
Under 1000 lbs.	11	954	14.6	6.8	8.6	7.7	37.7
1000-1099 lbs.	10	1056	21.5	10.0	8.5	3.5	43.5
1100-1199 lbs.	24	1139	20.4	9.4	8.6	8.1	46.5
Over 1200 lbs.	15	1263	24.3	6.0	9.0	6.7	46.0

PERCENT OF SHRINK

Weight Classes	Number of head in each class	Average Weight	Miles Traveled Between Weighings 0-25	25-50	50-100	100-200	Total Percent
			(Percent)	(Percent)	(Percent)	(Percent)	
Group Average	**60**	**1122**	**46.3**	**18.5**	**19.6**	**15.6**	**100.0**
Under 1000 lbs.	11	954	38.6	18.1	22.9	20.4	100.0
1000-1099 lbs.	10	1056	49.4	23.0	19.6	8.0	100.0
1100-1199 lbs.	24	1139	43.9	20.2	18.4	17.5	100.0
Over 1200 lbs.	15	1263	52.9	13.0	19.6	14.5	100.0

CUMULATIVE PERCENT OF SHRINK

Weight Classes	Number of head in each class	Average Weight	Percent of Shrink After Each Fraction of the 200 Mile Haul: ⅛ of the trip	¼ of the trip	½ of the trip	Total Trip
Group Average	**60**	**1122**	**46.3**	**64.8**	**84.4**	**100.0**
Under 1000 lbs.	11	954	38.6	56.7	79.6	100.0
1000-1099 lbs.	10	1056	49.4	72.4	92.0	100.0
1100-1199 lbs.	24	1139	43.9	64.1	82.5	100.0
Over 1200 lbs.	15	1263	52.9	65.9	85.5	100.0

SHRINK IN PERCENT OF WEIGHT

Weight Classes	Number of head in each class	Average Weight	Miles Traveled Between Weighings 0-25	25-50	50-100	100-200	Total Percent
			(Percent)	(Percent)	(Percent)	(Percent)	
Group Average	**60**	**1122**	**1.8**	**.7**	**.8**	**.6**	**3.9**
Under 1000 lbs.	11	954	1.5	.7	.9	.8	3.9
1000-1099 lbs.	10	1056	2.1	.9	.8	.3	4.1
1100-1199 lbs.	24	1139	1.8	.8	.8	.7	4.1
Over 1200 lbs.	15	1263	1.9	.5	.7	.5	3.6

SHRINK IN CUMULATIVE PERCENT OF WEIGHT

Weight Classes	Number of head in each class	Average Weight	Percent of Shrink After Each Fraction of the 200 Mile Haul: ⅛ of the trip	¼ of the trip	½ of the trip	Total Trip
Group Average	**60**	**1122**	**1.8**	**2.5**	**3.3**	**3.9**
Under 1000 lbs.	11	954	1.5	2.2	3.1	3.9
1000-1099 lbs.	10	1056	2.1	3.0	3.8	4.1
1100-1199 lbs.	24	1139	1.8	2.6	3.4	4.1
Over 1200 lbs.	15	1263	1.9	2.4	3.1	3.6

Grades of steers in calculations: Prime, choice, good and commercial. Majority were prime and choice, preponderance were choice.

Steers were neither fed nor watered during tests.

A substantial part of shrink was regained when the animals were returned to feed and water.

BEEF CATTLE WEIGHTS

Approximate Weights of Beef Cattle (Good Grade) according to Heart Girth Measurements.

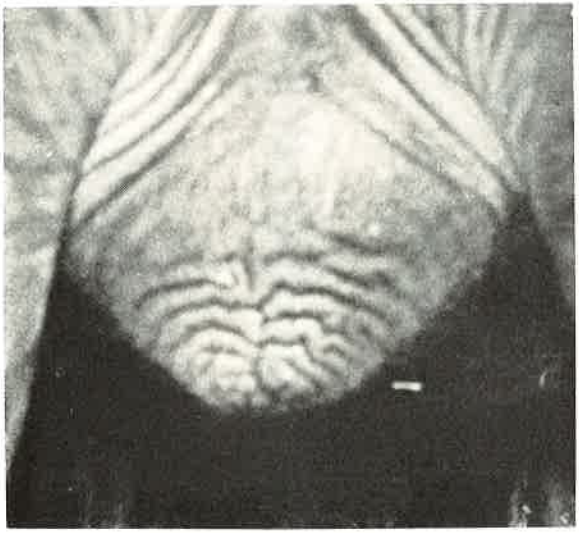
For cattle grading higher than "good" or for very fat cattle deduct 5% from these weights.

For cattle grading lower than "good" add 5% to these weights.

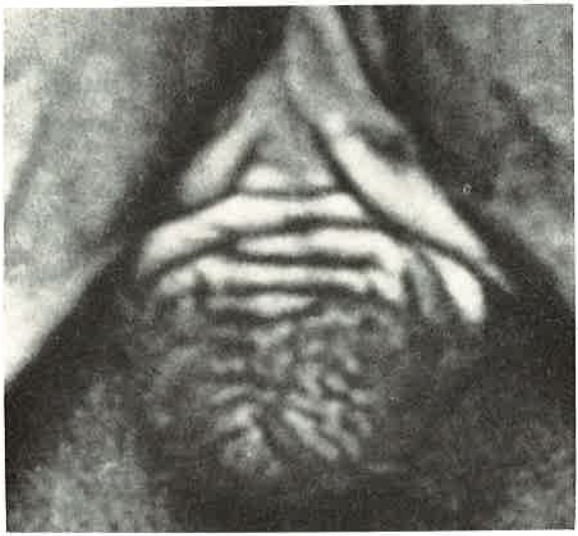
Heart Girth inches	*Weight in pounds*	*Heart Girth inches*	*Weight in pounds*	*Heart Girth inches*	*Weight in pounds*
30	78	50	372	70	910
30½	82	50½	382	70½	926
31	87	51	393	71	942
31½	91	51½	404	71½	959
32	96	52	415	72	977
32½	101	52½	426	72½	994
33	106	53	437	73	1,011
33½	112	53½	449	73½	1,029
34	118	54	461	74	1,047
34½	123	54½	472	74½	1,065
35	129	55	484	75	1,083
35½	135	55½	496	75½	1,100
36	141	56	508	76	1,117
36½	147	56½	520	76½	1,135
37	153	57	533	77	1,154
37½	159	57½	545	77½	1,173
38	166	58	558	78	1,192
38½	173	58½	571	78½	1,211
39	181	59	585	79	1,230
39½	188	59½	598	79½	1,249
40	195	60	611	80	1,269
40½	202	60½	624	80½	1,288
41	210	61	637	81	1,308
41½	218	61½	651	81½	1,328
42	226	62	665	82	1,348
42½	234	62½	679	82½	1,368
43	242	63	693	83	1,388
43½	250	63½	708	83½	1,409
44	259	64	723	84	1,430
44½	267	64½	738	84½	1,451
45	276	65	753	85	1,472
45½	285	65½	768	85½	1,493
46	294	66	783	86	1,514
46½	303	66½	798	86½	1,535
47	313	67	814	87	1,557
47½	322	67½	829	87½	1,578
48	332	68	845	88	1,600
48½	342	68½	861	88½	1,622
49	352	69	877	89	1,644
49½	362	69½	893	89½	1,667

In the year 1897-98 the Kansas State Board of Agriculture investigated the opinions of cattle feeders with regard to various breeds of beef cattle. They approached the great packing firm of Armour also on the question of the kind of cattle they preferred, and they gave the palm to polled cattle. Amongst the feeders, the majority favoured polled cattle and gave them a ten per cent. higher value than those with horns.

DEGREE OF FATNESS INDICATED BY THE COD



A FAT STEER



A LEAN STEER

WEIGHT versus PRICE

Grass steers; gaining 1¾ lbs. per day; no costs included.

	Price July 15	Equals prices on these dates, gains only considered. August 15	September 15	October 15
Steer weight	900 lbs.	950 lbs.	1000 lbs.	1050 lbs.
	20	18.9	18	17.2
	21	19.9	18.9	18
	22	20.9	19.8	18.8
	23	21.7	20.7	19.7
	24	22.6	21.6	20.6
	25	23.6	22.5	21.4
	26	24.6	23.4	22.3
	27	25.5	24.3	23.1
	28	26.5	25.2	24
	29	27.4	26.1	24.8
	30	28.4	27	25.7
	31	29.3	27.9	26.5
	32	30.3	28.8	27.4
	33	31.2	29.7	28.4
	34	32.2	30.6	29.2
	35	33.1	31.5	30
	36	34.1	32.4	30.8
	37	35	33.3	31.7
	38	36	34.2	32.5
	39	36.9	35.1	33.4
	40	37.9	36	34.3

Rough Estimate of BREAK-EVEN PRICES Calves to Yearlings

Purchase price per lb.	Your Costs: winter feed, pasture rent and overhead in dollars										
	$ 30	35	40	45	50	55	60	65	70	75	80
20¢	13.9	14.5	15.1	15.7	16.2	16.8	17.4	18	18.6	19.1	19.7
22¢	15	15.6	16.2	16.8	17.4	18	18.5	19.1	19.6	20.2	20.8
24¢	16	16.6	17.2	17.8	18.4	19	19.5	20.1	20.6	21.2	21.8
26¢	17.1	17.7	18.3	18.8	19.5	20.1	20.6	21.1	21.7	22.3	22.9
28¢	18.1	18.7	19.3	19.9	20.5	21.1	21.6	22.1	22.7	23.3	23.9
30¢	19.2	19.8	20.3	20.9	21.5	22	22.6	23.2	23.8	24.4	25
32¢	20.2	20.8	21.4	22	22.6	23.1	23.6	24.2	24.8	25.4	26
34¢	21.3	21.9	22.5	23.1	23.7	24.2	24.7	25.3	25.9	26.5	27.1
36¢	22.3	22.9	23.5	24.1	24.7	25.2	25.7	26.3	26.9	27.5	28.1
38¢	23.4	24	24.6	25.2	25.7	26.3	26.9	27.5	28	28.6	29.1
40¢	24.4	25	25.6	26.1	26.7	27.3	27.9	28.5	29.1	29.7	30.2

	Pounds
Calves purchased October 15th.	450
Calves graze Oct. 15 to Dec. 1, ½ lb. gain per day	22
Dry feed Dec. 1—April 15, ½ lb. gain per day	68
Graze April 15—Oct. 15, 1¾ lb. gain per day	320
Sale weight of yearling	860

* * * * *

In 1893 at the Chicago Exposition all beef breeds made an extraordinary effort to win the championship as a token of leadership in the race for the position of being the best beef-producing breed in the United States. The Hereford and Galloway breeders imported steers and the Shorthorn breeders were requested by their Association to steer one of their best bull calves.

PROFIT CALCULATION FOR STEER FEEDING

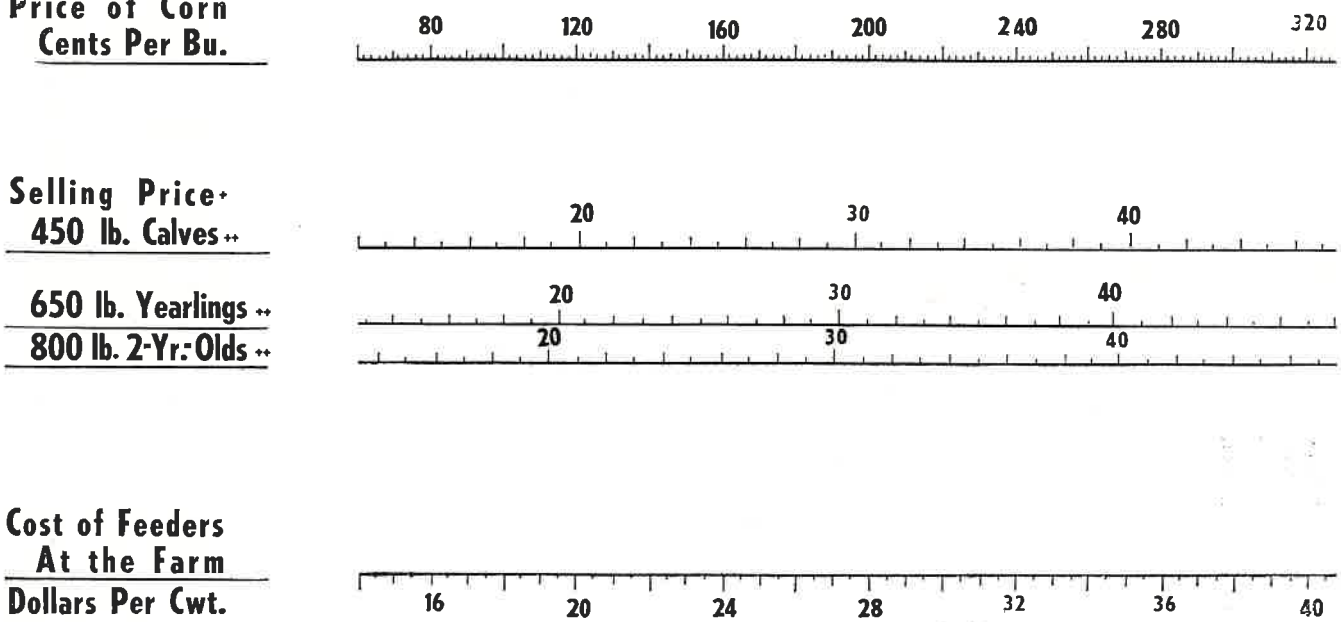
METHOD: Lay a ruler across fig. 6 or fig. 7. Place the edge on the cost feeders and on the cost of corn.. The point where the ruler crosses the center line shows the selling price needed to pay feed costs, interest on cost of feeders and normal death risk for the kind of cattle you are feeding.

SOURCE OF DATA: Based on records of serveral thousand cattle fed by members of Iowa farm business associations.

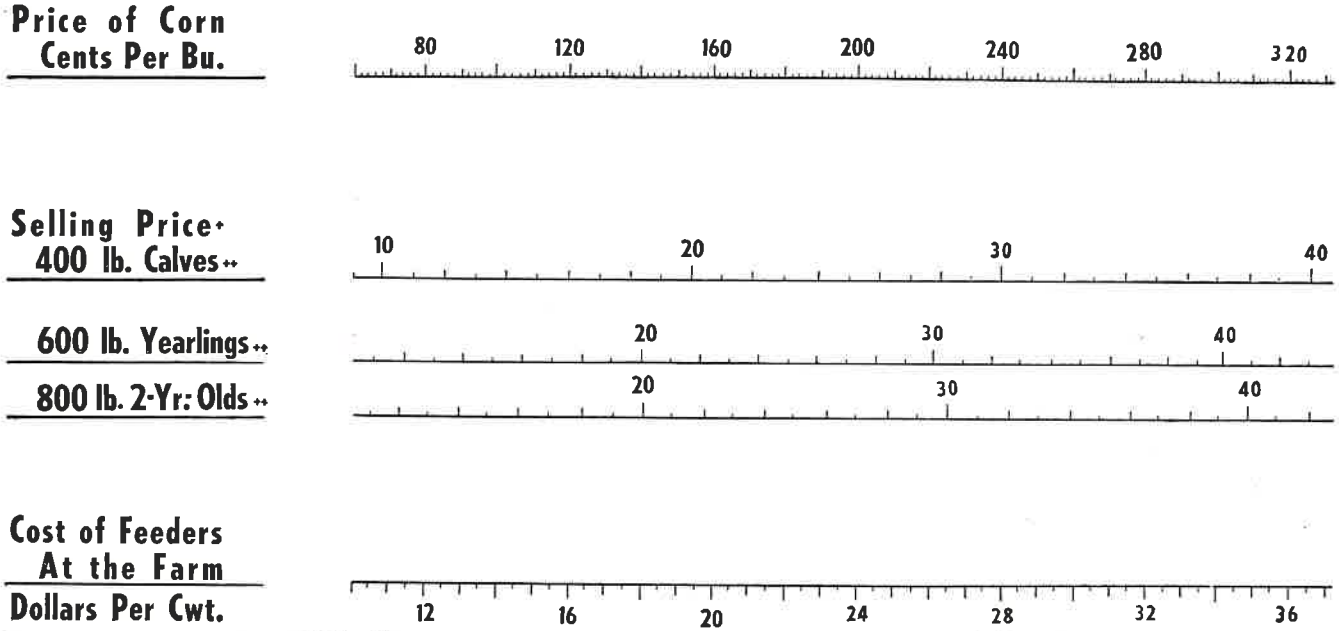
OTHER COSTS: The selling price allows for normal shrink in marketing but no selling costs. No credit is allowed for feed saved by hogs or for manure. No cost other than feed, interest and death risk are covered.

OTHER FEEDS: In the chart, protein, hay and pasture costs have been figured at their normal relation to corn prices.

CHOICE STEERS



MEDIUM STEERS



+Needed to pay feed, interest and death risk

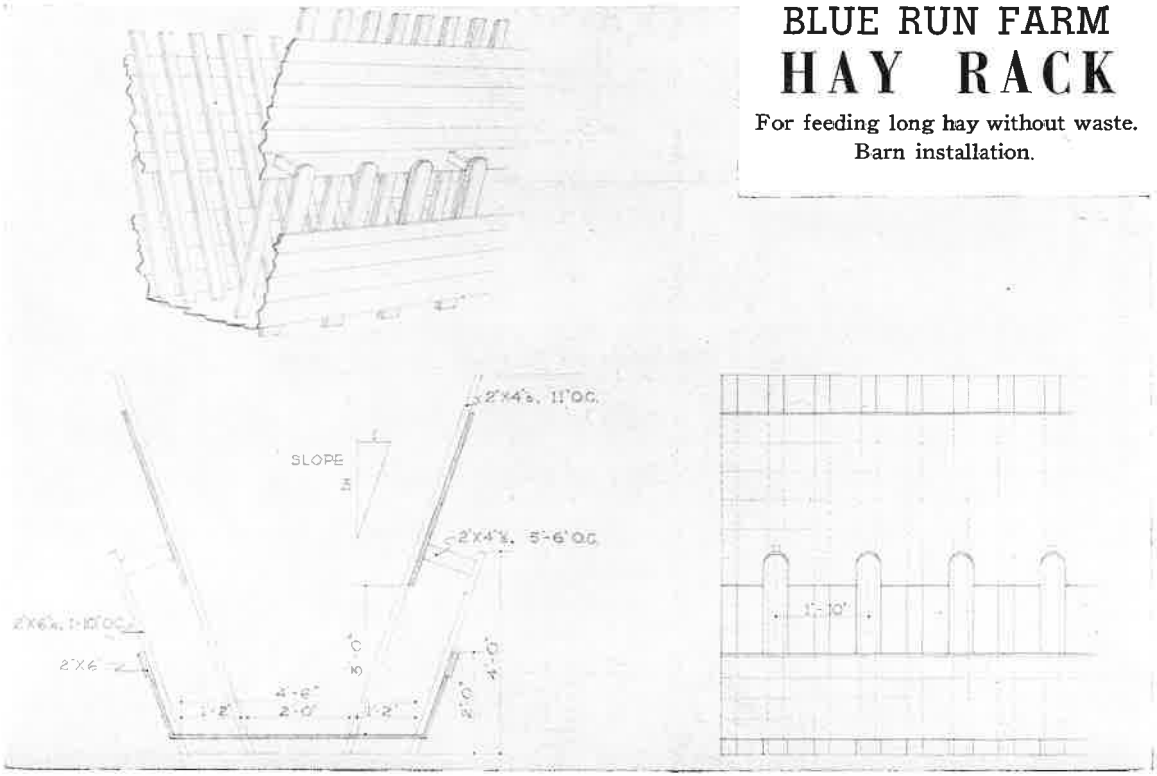
++Weight and kind of feeder steer put in the feedlot. The weights shown are those at place of purchase. The calves were fed to gain about 470 pounds, the yearlings 300 pounds and the 2-year-old 250 pounds.

The selling weight is the weight of the feeder plus the amount of gain and is the weight to which the selling price applies. Selling price is that of the steer when marketed.

(Copyright I.S.C. Research Foundation)

BLUE RUN FARM
HAY RACK

For feeding long hay without waste.
Barn installation.



GESTATION TABLE
Cattle

In 1st column find date cow was served; 2nd column shows date CALF is DUE.

In 1st column find date calf was dropped; 3rd column shows date COW was SERVED.

Bred or Born	Due	Served	Bred or Born	Due	Served	Bred or Born	Due	Served	Bred or Born	Due	Served
Jan.	Oct.	Mar.	Feb.	Nov.	Apr.	Mar.	Dec.	May	Apr.	Jan.	June
1	10	25	1	10	25	1	8	23	1	8	23
2	11	26	2	11	26	2	9	24	2	9	24
3	12	27	3	12	27	3	10	25	3	10	25
4	13	28	4	13	28	4	11	26	4	11	26
5	14	29	5	14	29	5	12	27	5	12	27
6	15	30	6	15	30	6	13	28	6	13	28
7	16	31				7	14	29	7	14	29
						8	15	30	8	15	30
						9	16	31			
Jan.	Oct.	Apr.	Feb.	Nov.	May	Mar.	Dec.	June	Apr.	Jan.	July
			7	16	1						
8	17	1	8	17	2						
9	18	2	9	18	3				9	16	1
10	19	3	10	19	4	10	17	1	10	17	2
11	20	4	11	20	5	11	18	2	11	18	3
12	21	5	12	21	6	12	19	3	12	19	4
13	22	6	13	22	7	13	20	4	13	20	5
14	23	7	14	23	8	14	21	5	14	21	6
15	24	8	15	24	9	15	22	6	15	22	7
16	25	9	16	25	10	16	23	7	16	23	8
17	26	10	17	26	11	17	24	8	17	24	9
18	27	11	18	27	12	18	25	9	18	25	10
19	28	12	19	28	13	19	26	10	19	26	11
20	29	13	20	29	14	20	27	11	20	27	12
21	30	14	21	30	15	21	28	12	21	28	13
22	31	15				22	29	13	22	29	14
						23	30	14	23	30	15
						24	31	15	24	31	16
Jan.	Nov.	Apr.	Feb.	Dec.	May	Mar.	Jan.	June	Apr.	Feb.	July
			22	1	16						
23	1	16	23	2	17						
24	2	17	24	3	18						
25	3	18	25	4	19	25	1	16	25	1	17
26	4	19	26	5	20	26	2	17	26	2	18
27	5	20	27	6	21	27	3	18	27	3	19
28	6	21	28	7	22	28	4	19	28	4	20
29	7	22				29	5	20	29	5	21
30	8	23				30	6	21	30	6	22
31	9	24				31	7	22			

GESTATION TABLE
Cattle

In 1st column find date cow was served; 2nd column shows date CALF is DUE.

In 1st column find date calf was dropped; 3rd column shows date COW was SERVED.

Bred or Born	Due	Served	Bred or Born	Due	Served	Bred or Born	Due	Served	Bred or Born	Due	Served
May	Feb.	July	June	Mar.	Aug.	July	Apr.	Sept.	Aug.	May	Oct.
1	7	23	1	10	23	1	9	22	1	10	23
2	8	24	2	11	24	2	10	23	2	11	24
3	9	25	3	12	25	3	11	24	3	12	25
4	10	26	4	13	26	4	12	25	4	13	26
5	11	27	5	14	27	5	13	26	5	14	27
6	12	28	6	15	28	6	14	27	6	15	28
7	13	29	7	16	29	7	15	28	7	16	29
8	14	30	8	17	30	8	16	29	8	17	30
9	15	31	9	18	31	9	17	30	9	18	31
May	Feb.	Aug.	June	Mar.	Sept.	July	Apr.	Oct	Aug.	May	Nov.
10	16	1	10	19	1	10	18	1	10	19	1
11	17	2	11	20	2	11	19	2	11	20	2
12	18	3	12	21	3	12	20	3	12	21	3
13	19	4	13	22	4	13	21	4	13	22	4
14	20	5	14	23	5	14	22	5	14	23	5
15	21	6	15	24	6	15	23	6	15	24	6
16	22	7	16	25	7	16	24	7	16	25	7
17	23	8	17	26	8	17	25	8	17	26	8
18	24	9	18	27	9	18	26	9	18	27	9
19	25	10	19	28	10	19	27	10	19	28	10
20	26	11	20	29	11	20	28	11	20	29	11
21	27	12	21	30	12	21	29	12	21	30	12
22	28	13	22	31	13	22	30	13	22	31	13
May	Mar.	Aug.	June	Apr.	Sept.	July	May	Oct.	Aug.	June	Nov.
23	1	14	23	1	14	23	1	14	23	1	14
24	2	15	24	2	15	24	2	15	24	2	15
25	3	16	25	3	16	25	3	16	25	3	16
26	4	17	26	4	17	26	4	17	26	4	17
27	5	18	27	5	18	27	5	18	27	5	18
28	6	19	28	6	19	28	6	19	28	6	19
29	7	20	29	7	20	29	7	20	29	7	20
30	8	21	30	8	21	30	8	21	30	8	21
31	9	22				31	9	22	31	9	22

GESTATION TABLE
Cattle

In 1st column find date cow was served; 2nd column shows date CALF is DUE.

In 1st column find date calf was dropped; 3rd column shows date COW was SERVED.

Bred or Born	Due	Served	Bred or Born	Due	Served	Bred or Born	Due	Served	Bred or Born	Due	Served
Sept.	June	Nov.	Oct.	July	Dec.	Nov.	Aug.	Jan.	Dec.	Sept.	Feb.
1	10	23	1	10	23	1	10	23	1	9	22
2	11	24	2	11	24	2	11	24	2	10	23
3	12	25	3	12	25	3	12	25	3	11	24
4	13	26	4	13	26	4	13	26	4	12	25
5	14	27	5	14	27	5	14	27	5	13	26
6	15	28	6	15	28	6	15	28	6	14	27
7	16	29	7	16	29	7	16	29	7	15	28
8	17	30	8	17	30	8	17	30			
			9	18	31	9	18	31			
Sept.	June	Dec.	Oct.	July	Jan.	Nov.	Aug.	Feb.	Dec.	Sept.	Mar.
									8	16	1
9	18	1							9	17	2
10	19	2	10	19	1	10	19	1	10	18	3
11	20	3	11	20	2	11	20	2	11	19	4
12	21	4	12	21	3	12	21	3	12	20	5
13	22	5	13	22	4	13	22	4	13	21	6
14	23	6	14	23	5	14	23	5	14	22	7
15	24	7	15	24	6	15	24	6	15	23	8
16	25	8	16	25	7	16	25	7	16	24	9
17	26	9	17	26	8	17	26	8	17	25	10
18	27	10	18	27	9	18	27	9	18	26	11
19	28	11	19	28	10	19	28	10	19	27	12
20	29	12	20	29	11	20	29	11	20	28	13
21	30	13	21	30	12	21	30	12	21	29	14
			22	31	13	22	31	13	22	30	15
Sept.	July	Dec.	Oct.	Aug.	Jan.	Nov.	Sept.	Feb.	Dec.	Oct.	Mar.
22	1	14									
23	2	15	23	1	14	23	1	14	23	1	16
24	3	16	24	2	15	24	2	15	24	2	17
25	4	17	25	3	16	25	3	16	25	3	18
26	5	18	26	4	17	26	4	17	26	4	19
27	6	19	27	5	18	27	5	18	27	5	20
28	7	20	28	6	19	28	6	19	28	6	21
29	8	21	29	7	20	29	7	20	29	7	22
30	9	22	30	8	21	30	8	21	30	8	23
			31	9	22				31	9	24

Conversion of Bushel Prices for UNSHELLED CORN To Hundredweight Prices

Price Per 70-Lb. Bu.	Price Per Hundredweight	Price Per 70-Lb. Bu.	Price Per Hundredweight	Price Per 70-Lb. Bu.	Price Per Hundredweight
$ .75	$1.07	$1.25	$1.79	$1.75	$2.50
.76	1.09	1.26	1.80	1.76	2.51
.77	1.10	1.27	1.81	1.77	2.53
.78	1.11	1.28	1.83	1.78	2.54
.79	1.13	1.29	1.84	1.79	2.56
.80	1.14	1.30	1.86	1.80	2.57
.81	1.16	1.31	1.87	1.81	2.59
.82	1.17	1.32	1.89	1.82	2.60
.83	1.19	1.33	1.90	1.83	2.61
.84	1.20	1.34	1.91	1.84	2.63
.85	1.21	1.35	1.93	1.85	2.64
.86	1.23	1.36	1.94	1.86	2.66
.87	1.24	1.37	1.96	1.87	2.67
.88	1.26	1.38	1.97	1.88	2.69
.89	1.27	1.39	1.99	1.89	2.70
.90	1.29	1.40	2.00	1.90	2.71
.91	1.30	1.41	2.01	1.91	2.73
.92	1.31	1.42	2.03	1.92	2.74
.93	1.33	1.43	2.04	1.93	2.76
.94	1.34	1.44	2.06	1.94	2.77
.95	1.36	1.45	2.07	1.95	2.79
.96	1.37	1.46	2.09	1.96	2.80
.97	1.39	1.47	2.10	1.97	2.81
.98	1.40	1.48	2.11	1.98	2.83
.99	1.41	1.49	2.13	1.99	2.84
1.00	1.43	1.50	2.14	2.00	2.86
1.01	1.44	1.51	2.16	2.01	2.87
1.02	1.46	1.52	2.17	2.02	2.89
1.03	1.47	1.53	2.19	2.03	2.90
1.04	1.49	1.54	2.20	2.04	2.91
1.05	1.50	1.55	2.21	2.05	2.93
1.06	1.51	1.56	2.23	2.06	2.94
1.07	1.53	1.57	2.24	2.07	2.96
1.08	1.54	1.58	2.26	2.08	2.97
1.09	1.56	1.59	2.27	2.09	2.99
1.10	1.57	1.60	2.29	2.10	3.00
1.11	1.59	1.61	2.30	2.11	3.01
1.12	1.60	1.62	2.31	2.12	3.03
1.13	1.61	1.63	2.33	2.13	3.04
1.14	1.63	1.64	2.34	2.14	3.06
1.15	1.64	1.65	2.36	2.15	3.07
1.16	1.66	1.66	2.37	2.16	3.09
1.17	1.67	1.67	2.39	2.17	3.10
1.18	1.69	1.68	2.40	2.18	3.11
1.19	1.70	1.69	2.41	2.19	3.13
1.20	1.71	1.70	2.43	2.20	3.14
1.21	1.73	1.71	2.44	2.21	3.16
1.22	1.74	1.72	2.46	2.22	3.17
1.23	1.76	1.73	2.47	2.23	3.19
1.24	1.77	1.74	2.49	2.24	3.20
				2.25	3.21

Conversion of Bushel Prices for SHELLED CORN To Hundredweight Prices

Price Per 56-Lb. Bu.	Price Per Hundredweight	Price Per 56-Lb. Bu.	Price Per Hundredweight	Price Per 56-Lb. Bu.	Price Per Hundredweight
$ .80	$1.43	$1.30	$2.32	$1.80	$3.21
.81	1.45	1.31	2.34	1.81	3.23
.82	1.46	1.32	2.36	1.82	3.25
.83	1.48	1.33	2.37	1.83	3.27
.84	1.50	1.34	2.39	1.84	3.28
.85	1.52	1.35	2.41	1.85	3.30
.86	1.54	1.36	2.43	1.86	3.32
.87	1.55	1.37	2.45	1.87	3.34
.88	1.57	1.38	2.46	1.88	3.36
.89	1.59	1.39	2.48	1.89	3.37
.90	1.61	1.40	2.50	1.90	3.39
.91	1.63	1.41	2.52	1.91	3.41
.92	1.64	1.42	2.53	1.92	3.43
.93	1.66	1.43	2.55	1.93	3.45
.94	1.68	1.44	2.57	1.94	3.46
.95	1.70	1.45	2.59	1.95	3.48
.96	1.71	1.46	2.61	1.96	3.50
.97	1.73	1.47	2.62	1.97	3.52
.98	1.75	1.48	2.64	1.98	3.53
.99	1.77	1.49	2.66	1.99	3.55
1.00	1.78	1.50	2.68	2.00	3.57
1.01	1.80	1.51	2.70	2.01	3.59
1.02	1.82	1.52	2.71	2.02	3.61
1.03	1.84	1.53	2.73	2.03	3.63
1.04	1.86	1.54	2.75	2.04	3.64
1.05	1.87	1.55	2.77	2.05	3.66
1.06	1.89	1.56	2.78	2.06	3.68
1.07	1.91	1.57	2.80	2.07	3.70
1.08	1.93	1.58	2.82	2.08	3.71
1.09	1.95	1.59	2.84	2.09	3.73
1.10	1.96	1.60	2.86	2.10	3.75
1.11	1.98	1.61	2.87	2.11	3.77
1.12	2.00	1.62	2.89	2.12	3.79
1.13	2.02	1.63	2.91	2.13	3.80
1.14	2.03	1.64	2.93	2.14	3.82
1.15	2.05	1.65	2.95	2.15	3.84
1.16	2.07	1.66	2.96	2.16	3.86
1.17	2.09	1.67	2.98	2.17	3.88
1.18	2.11	1.68	3.00	2.18	3.89
1.19	2.12	1.69	3.02	2.19	3.91
1.20	2.14	1.70	3.03	2.20	3.93
1.21	2.16	1.71	3.05	2.21	3.95
1.22	2.18	1.72	3.07	2.22	3.96
1.23	2.20	1.73	3.09	2.23	3.98
1.24	2.21	1.74	3.11	2.24	4.00
1.25	2.23	1.75	3.12	2.25	4.02
1.26	2.25	1.76	3.14		
1.27	2.26	1.77	3.16		
1.28	2.28	1.78	3.18		
1.29	2.30	1.79	3.20		

Conversion of Bushel Prices for
BARLEY
To Hundredweight Prices

Price Per 48-Lb. Bu.	Price Per Hundredweight	Price Per 48-Lb. Bu.	Price Per Hundredweight	Price Per 48-Lb. Bu.	Price Per Hundredweight
$ .65	$1.35	$1.01	$2.10	$1.36	$2.83
.66	1.38	1.02	2.13	1.37	2.85
.67	1.40	1.03	2.15	1.38	2.88
.68	1.42	1.04	2.17	1.39	2.90
.69	1.44	1.05	2.19	1.40	2.92
.70	1.46	1.06	2.21	1.41	2.94
.71	1.48	1.07	2.23	1.42	2.96
.72	1.50	1.08	2.25	1.43	2.98
.73	1.52	1.09	2.27	1.44	3.00
.74	1.54	1.10	2.29	1.45	3.02
.75	1.56	1.11	2.31	1.46	3.04
.76	1.58	1.12	2.33	1.47	3.06
.77	1.60	1.13	2.35	1.48	3.08
.78	1.63	1.14	2.38	1.49	3.10
.79	1.65	1.15	2.40	1.50	3.13
.80	1.67	1.16	2.42	1.51	3.15
.81	1.69	1.17	2.44	1.52	3.17
.82	1.71	1.18	2.46	1.53	3.19
.83	1.73	1.19	2.48	1.54	3.21
.84	1.75	1.20	2.50	1.55	3.23
.85	1.77	1.21	2.52	1.56	3.25
.86	1.79	1.22	2.54	1.57	3.27
.87	1.81	1.23	2.56	1.58	3.29
.88	1.83	1.24	2.58	1.59	3.31
.89	1.85	1.25	2.60	1.60	3.33
.90	1.88	1.26	2.63	1.61	3.35
.91	1.90	1.27	2.65	1.62	3.38
.92	1.92	1.28	2.67	1.63	3.40
.93	1.94	1.29	2.69	1.64	3.42
.94	1.96	1.30	2.71	1.65	3.44
.95	1.98	1.31	2.73	1.66	3.46
.96	2.00	1.32	2.75	1.67	3.48
.97	2.02	1.33	2.77	1.68	3.50
.98	2.04	1.34	2.79	1.67	3.52
.99	2.06	1.35	2.81	1.70	3.54
1.00	2.08				

One Aberdeen-Angus breeder in the Argentine who manages a very large ranch, in his report to his directors a year ago on the effects of the six-month drought that struck the north and nearly tropical provinces, stated that the mortality in the Aberdeen-Angus herd was only three per cent., whereas neighboring herds of other breeds were so affected that they had to be railed to areas where the drought had not struck, but, even so, he estimated that only ten per cent had survived.

One leading breeder in South America stated recently that if the drought of 1951 should be repeated for another two years in the Argentine there would be nothing but Aberdeen-Angus left in the country.

Conversion of Bushel Prices for
WHEAT AND SOYBEANS
To Hundredweight Prices

Price Per 60-Lb. Bu.	Price Per Hundredweight	Price Per 60-Lb. Bu.	Price Per Hundredweight	Price Per 60-Lb. Bu.	Price Per Hundredweight
$1.00	$1.67	$1.50	$2.50	$2.00	$3.33
1.01	1.68	1.51	2.52	2.01	3.35
1.02	1.70	1.52	2.53	2.02	3.37
1.03	1.72	1.53	2.55	2.03	3.38
1.04	1.73	1.54	2.57	2.04	3.40
1.05	1.75	1.55	2.58	2.05	3.42
1.06	1.77	1.56	2.60	2.06	3.43
1.07	1.78	1.57	2.62	2.07	3.45
1.08	1.80	1.58	2.63	2.08	3.47
1.09	1.82	1.59	2.65	2.09	3.48
1.10	1.83	1.60	2.67	2.10	3.50
1.11	1.85	1.61	2.68	2.11	3.52
1.12	1.87	1.62	2.70	2.12	3.53
1.13	1.88	1.63	2.72	2.13	3.55
1.14	1.90	1.64	2.73	2.14	3.57
1.15	1.92	1.65	2.75	2.15	3.58
1.16	1.93	1.66	2.77	2.16	3.60
1.17	1.95	1.67	2.78	2.17	3.62
1.18	1.97	1.68	2.80	2.18	3.63
1.19	1.98	1.69	2.82	2.19	3.65
1.20	2.00	1.70	2.83	2.20	3.67
1.21	2.02	1.71	2.85	2.21	3.68
1.22	2.03	1.72	2.87	2.22	3.70
1.23	2.05	1.73	2.88	2.23	3.72
1.24	2.07	1.74	2.90	2.24	3.73
1.25	2.08	1.75	2.92	2.25	3.75
1.26	2.10	1.76	2.93	2.26	3.77
1.27	2.12	1.77	2.95	2.27	3.78
1.28	2.13	1.78	2.97	2.28	3.80
1.29	2.15	1.79	2.98	2.29	3.82
1.30	2.17	1.80	3.00	2.30	3.83
1.31	2.18	1.81	3.02	2.31	3.85
1.32	2.20	1.82	3.03	2.32	3.87
1.33	2.22	1.83	3.05	2.33	3.88
1.34	2.23	1.84	3.07	2.34	3.90
1.35	2.25	1.85	3.08	2.35	3.92
1.36	2.27	1.86	3.10	2.36	3.93
1.37	2.28	1.87	3.12	2.37	3.95
1.38	2.30	1.88	3.13	2.38	3.97
1.39	2.32	1.89	3.15	2.39	3.98
1.40	2.33	1.90	3.17	2.40	4.00
1.41	2.35	1.91	3.18	2.41	4.02
1.42	2.37	1.92	3.20	2.42	4.03
1.43	2.38	1.93	3.22	2.43	4.05
1.44	2.40	1.94	3.23	2.44	4.07
1.45	2.42	1.95	3.25	2.45	4.08
1.46	2.43	1.96	3.27	2.46	4.10
1.47	2.45	1.97	3.28	2.47	4.12
1.48	2.47	1.98	3.30	2.48	4.13
1.49	2.48	1.99	3.32	2.49	4.15

WHEAT AND SOYBEANS, Cont.

Price Per 60-Lb. Bu.	Price Per Hundredweight	Price Per 60-Lb. Bu.	Price Per Hundredweight	Price Per 60-Lb. Bu.	Price Per Hundredweight
$2.50	$4.17	$2.67	$4.45	$2.84	$4.73
2.51	4.18	2.68	4.47	2.85	4.75
2.52	4.20	2.69	4.48	2.86	4.77
2.53	4.22	2.70	4.50	2.87	4.78
2.54	4.23	2.71	4.52	2.88	4.80
2.55	4.25	2.72	4.53	2.89	4.82
2.56	4.27	2.73	4.55	2.90	4.83
2.57	4.28	2.74	4.57	2.91	4.85
2.58	4.30	2.75	4.58	2.92	4.87
2.59	4.32	2.76	4.60	2.93	4.88
2.60	4.33	2.77	4.62	2.94	4.90
2.61	4.35	2.78	4.63	2.95	4.92
2.62	4.37	2.79	4.65	2.96	4.93
2.63	4.38	2.80	4.67	2.97	4.95
2.64	4.40	2.81	4.68	2.98	4.97
2.65	4.42	2.82	4.70	2.99	4.98
2.66	4.43	2.83	4.72	3.00	5.00

Conversion of Bushel Prices for OATS To Hundredweight Prices

Price Per 32-Lb. Bu.	Price Per Hundredweight	Price Per 32-Lb. Bu.	Price Per Hundredweight	Price Per 32-Lb. Bu.	Price Per Hundredweight
$ .50	$1.56	$ .75	$2.34	$1.00	$3.13
.51	1.59	.76	2.38	1.01	3.16
.52	1.63	.77	2.41	1.02	3.19
.53	1.65	.78	2.44	1.03	3.22
.54	1.69	.79	2.47	1.04	3.25
.55	1.72	.80	2.50	1.05	3.28
.56	1.75	.81	2.53	1.06	3.31
.57	1.78	.82	2.56	1.07	3.34
.58	1.81	.83	2.59	1.08	3.38
.59	1.84	.84	2.63	1.09	3.41
.60	1.88	.85	2.66	1.10	3.44
.61	1.91	.86	2.69	1.11	3.47
.62	1.94	.87	2.72	1.12	3.50
.63	1.97	.88	2.75	1.13	3.53
.64	2.00	.89	2.78	1.14	3.56
.65	2.03	.90	2.81	1.15	3.59
.66	2.06	.91	2.84	1.16	3.63
.67	2.09	.92	2.88	1.17	3.66
.68	2.13	.93	2.91	1.18	3.69
.69	2.16	.94	2.94	1.19	3.72
.70	2.19	.95	2.97	1.20	3.75
.71	2.22	.96	3.00	1.21	3.78
.72	2.25	.97	3.03	1.22	3.81
.73	2.28	.98	3.06	1.23	3.84
.74	2.31	.99	3.09	1.24	3.88
				1.25	3.91

MEASURE TO WEIGHT

Feeding stuff	One quart weighs	One pound measures	One gallon weighs	One pound measures
Concentrates	**Lbs.**	**Qts.**	**Lbs.**	**Gals.**
Barley, whole	1.5	0.7	6.0	.18
Barley, ground	1.1	0.9	4.4	.23
Beet pulp, dried	0.6	1.7	2.4	.43
Citrus pulp, ground	1.0	1.0	4.0	.25
Corn, whole	1.7	0.6	6.8	.15
Corn, ground	1.5	0.7	6.0	.18
Corn-and-cob meal	1.4	0.7	5.6	.18
Cottonseed meal	1.5	0.7	6.0	.18
Linseed meal, old process	1.1	0.9	4.4	.23
Linseed meal, new process	0.9	1.1	3.6	.28
Molasses, cane	3.0	0.3	12.0	.08
Molasses feeds	0.8	1.3	3.2	.33
Oats, whole	1.0	1.0	4.0	.25
Oats, ground	0.7	1.4	2.8	.35
Rye, whole	1.7	0.6	6.8	.15
Rye, ground	1.5	0.7	6.0	.18
Soybeans	1.8	0.6	7.2	.15
Tankage	1.6	0.6	6.4	.15
Wheat, whole	1.9	0.5	7.6	.13
Wheat, ground	1.7	0.6	6.8	.15
Wheat bran	0.5	2.0	2.0	.50
Roughages				
Alfalfa meal	0.6	1.7	2.4	.43
Cottonseed hulls	0.3	3.3	1.2	.83

BARBED WIRE REQUIREMENTS

	1 Line	2 Lines	3 Lines
1 sq. acre	50 2/3 lbs.	101 1/2 lbs.	152 lbs.
1 sq. mile	1,280 lbs.	2,564 lbs.	3,840 lbs.
1 side of sq. mile	320 lbs.	640 lbs.	960 lbs.
1 rod in length	1 lb.	2 lbs.	3 lbs.
100 rods	100 lbs.	200 lbs.	300 lbs.

To measure corn in cribs.

Ear corn of good quality, measured when settled, will hold out at 2½ cubic feet to the bushel. Allowance should be made for snapped corn, corn that is poorly husked, or otherwise inferior in quality, which will hold out at more than 2½ cubic feet per bushel.

Rule—at 2½ cu. ft. to the bushel, divide the cubic feet in crib by 2¼, or multiply by 2 and divide by 5.

To measure the number of tons of hay in a mow.

Multiply the overthrow (the distance from the ground on one side over the top of the stack to the ground on the other side) by the length, by the width (all in feet); multiply by 3; divine by 10 and then divide by 500 to 600, depending upon the length of time the hay has been in the stack.

Acreage Per Mile of Various Width

Width	Acres	Width	Acres
1 foot	0.121	15 feet	1.815
5 feet	0.605	16 feet	1.936
8 feet	0.968	18 feet	2.178
10 feet	1.21	20 feet	2.42
12 feet	1.452	24 feet	2.904
14 feet	1.694	25 feet	3.025

TABLES

Acre ..... 43,560 sq. ft.
Acre ..... 160 sq. rds.
Acre ..... 4,840 sq. yds.
Acre ..... 10 sq. chains
Acres, 640 ..... 1 sq. mile

Barrel—U. S. Liquid ..... 31.5 gal.
Barrel—U. S. petroleum ..... 42 gal.
Barrel—Ear corn, (variable) ... 5 bushels
Barrel—Ear corn, (variable) ..... 3 tubs

Board feet in a log

Subtract 4 in. from the diameter and square the remainder. The result will be the uumber of board feet in a 16-ft. log. Add 1-8 for 18-ft. logs, and 1-4 for 20-ft. logs. Subtract 1-8 for 14-ft. logs, 1-4 for 12-ft. logs.

Board foot —Lumber

1" x 12" x 12")
2" x 6" x 12") etc.
144 cu. in. (any dimension)

Bushel—U. S. x 2,150.42 equals cu. in.
Bushel—U. S. x .0495 equals cu. yards
Bushel—U. S. x 1.2446 equals cu. feet
Bushel .....32 dry quarts
Bushel ..... 4 pecks
Bushel Ear corn ..... 2½ cu. ft.
Bushel—heaped ..... 1.25 struck bu.
Bushel—(6" cone or more.)

Centimeter ..... .3937 inches
Centimeter, square ..... .155 sq. in.
Centimeter, cubic ..... .06102 cu. in.

Chain ..... 22 yds.
Chain ..... 100 links
Chain ..... 4 rods
Chain, square ..... 10,000 sq. links

Chaldron, 1 ..... 36 bushels

Cord ..... 4 feet by 4 feet by 8 feet
Cord ..... 128 cu. ft.
Cord ..... 3.624 steres

Cwt. 1 ..... 112 pounds

Dram (drug) ..... 60 grains
Dram, 1 (avor) ..... 27 11/32 grains
Dram ..... .225 cu. .ni
Dram ..... 1 teaspoonful
Dram, 4 ..... 1 tablespoonful
Dram, 16 ..... 1 wineglass
Dram, fluid 8 ..... 1 ounce

Drum U. S. petroleum .... 50-55 gallons

Fathom ..... 6 feet

Feet, lineal .....x .00019 equals miles
Feet, square ....x .111 equals sq. yards
Feet, cubic .....x .03704 equals cu. yds.
Feet, cylindrical .x .02909 equals cu. yds.
Feet .....x 1.5 ... equals links
Feet, cubic .....x 7.48 equals U.S. Ga.l
Feet, cylindrical .x 5.874 equals U.S. Gal.
Feet, cubic .....x .8036 equals U.S. bu.
Ft., cyl. of water x 6 .. equals U.S. Ga.l
Foot, 1 cu. ..... about 4/5 of a bushel
Foot ..... 12 inches
Foot, square ..... 144 sq. in.
Foot, cubic ..... 1,728 cu. in.

Furlong ..... 220 yds.
Furlong, 8 ..... 1 mile
Furlong, 1 ..... 40 rods

Gallons, Dry, U. S. ..... 4 quarts
Gallons, Dry, U. S. ..... 8 pints
Gallons, Dry, U. S. ..... 268.8 cu. in.
Gallons, 2 ..... 1 peck
Gallons, 8 ..... 1 bushel
Gallons, Liquid, U. S. ..... 4 quarts
Gallons, Liquid, U. S. ..... 8 pints
Gallons, Liquid, U. S. ..... 32 gills
Gallons, Liquid, U. S. ..... 231. cu. in.
Gallons, U. S. ..x .13367 equals cu. feet

Gill ..... 7.218 cu. in.
Gill, 4 ..... 1 pint
Gill, 8 ..... 1 quart

Grain (drugs), 60 ..... 1 dram
Grain, 20 ..... 1 scruple
Gram ..... 15.4 grains
Gram ..... .03527 ounces

Hand ..... 4 inches

Hogshead ..... 63 gallons
Hogshead ..... 2 barrels

Inch, 12 ..... 1 foot
Inch, square, 144 ..... 1 sq. ft.
Inch, cubic, 1728 ..... 1 cu. ft.
Inch, cubic ..... 16.39 cu. centimeters

Inches, square ..x .007 .. equals sq. ft.
Inches, cubic ....x .00058 equals cu. foot
Inches, circular ..x .00546 equals sq. ft.
Inches, cylindrical x .0004546 equals cu. ft.
Inches, cubic ....x .004329 eq. U.S. gal.
Inches, cylindrical x .0034 equals U.S. gal.
Inches, cubic ....x .000466 eq. U.S. bu.

League, 1 ..... 3 miles
Link ..... 7.92 inches
Links, 25 ..... 1 rod
Link .....x .22 .... equals yards
Links .....x .66 ..... equals feet

Mile ..... 5280 feet
Mile ..... 1760 yards
Mile ..... 320 rods
Mile ..... 80 chains
Mile, square ..... 640 acres
Minims, 60 ..... 1 fluid dram

NAILS

Size	*Length and Guage*	*Ap. No. to Lb.*
2d—1	inch No. 15	876
3d—1¼	inch No. 14	568
4d—1½	inch No. 12½	316
5d—1¾	inch No. 12½	271
6d—2	inch No. 11½	174
7d—2¼	inch No. 11½	161
8d—2½	inch No. 10¼	106
9d—2¾	inch No. 10¼	 96
10d—3	inch No. 9	 69
12d—3¼	inch No. 9	 63
16d—3½	inch No. 8	 49
20d—4	inch No. 6	 31
30d—4½	inch No. 5	 24
40d—5	inch No. 4	 18
50d—5½	inch No. 3	 14
60d—6	inch No. 2	 11

Ounce ..... 28.35 grams
Ounce ..... 16 drams
Ounce ..... 30 cu. centimeters
Ounce (apothecaries) 12 ..... 1 pound
Ounce, fluid ..... 1.804 cu. in.
Ounce, fluid, 16 ..... 1 pint

Peck ..... 537.60 cu. in.
Peck, 4 ..... 1 bushel

Perch .....x .025 ..... equals sq. rods

TABLES (Continued)

Pint, liquid, 2 ..... 1 quart
Pint, liquid ..... 4 gills
Pint, liquid ..... 28.875 cu. in.
Pint, liquid ..... 16 ounces
Pint, dry, 2 ..... 1 quart
Pint, dry ..... 33.60 cu. in.

Pole ..... 1 rod

Pound ..... 16 ounces
Pound (apothecaries) ..... 12 ounces
Pound (Troy) ..... 12 ounces
Pounds, avor x .009 .. equals cwt. (112)
Pounds, avor x .00045 equals tons (2240)

Quarter, 1 ..... 25 pounds
Quart, liquid ..... 57.75 cu. in.
Quart, liquid ..... 2 pints
Quart, liquid, 4 ..... 1 gallon
Quart, dry ..... 67.20 cu. in.
Quart, dry, 8 ..... 1 peck

Rods ..... 5½ yards
Rods ..... 16½ feet
Rods, 4 ..... 1 chain
Rods, 320 ..... 1 mile
Rod, square 160 ..... 1 acre
Rod, square ..... 30.25 sq. yds.
Rods, square x .00625 .....equals acres

Rood, 1 ..... 40 sq. rods
Rood, 4 ..... 1 acre

Section ..... 1 square mile
Sections, 36 ..... 1 township

Scruples, 3 ..... 1 dram

Tablespoonful, level ..... 16 cc.
(standard measuring) .... 5 grams
Tablespoonful (" ") ..... 80 grains
Tablespoonful (" ") . 3 teaspoonsful
Tablespoonful, fluid ..... 4 drams
Tablespoonful, liquid ..... ½ ounce

Teaspoonful, level ..... 4 cc
(standard measuring) ... 1.5 grams
Teaspoonful (" ") ..... 23 grains
Teaspoonful (" "), 3 1 tablespoonful

Ton, Net (short) ..... 2000 pounds
Ton, Long ..... 2,240 pounds
Ton, shipping ..... 40 cu. feet
Township, 1 . 36 sq. miles (6 miles sq.)

Tub, ear corn, 3 ..... 1 barrel

Water, cu. ft. ....x 62.5 . eq. lbs. avor.
Water, cu. in. ....x .03617 eq. lbs. avor.
Water, cyl. ft. ...x 49.1 eq. lbs. avor
Water, cyl. in. ...x .02842 eq. lbs. avor.
Wineglass ..... 4 tablespoonful
Wineglass ..... 2 fluid ounces
Wineglass ..... 16 drams

Yard ..... 3 feet
Yard, square ..... 9 sq. feet
Yard, cubic ..... 27 cu. ft.
Yards, lineal ....x .006 ... equals miles
Yards, square ...x .03306 . equals perch
Yards, square ...x .0002067 equals acres

SILO CAPACITY

ROUND:

Height (feet)	Inside diameter 10 ft.	12 ft.	14 ft.	16 ft.	18 ft.	20 ft.
	Tons	Tons	Tons	Tons	Tons	Tons
20	22.78	32.75	44.60	58.28	73.80	91.10
24	29.50	42.45	57.80	75.48	95.53	117.95
26	33.08	47.66	64.80	84.64	107.22	132.30
28	36.78	53.00	72.10	94.10	119.25	147.10
30	40.00	58.50	79.50	103.80	131.00	162.30
32	.. ..	64.12	87.20	113.80	144.35	178.00
34	.. ..	69.82	95.10	124.20	157.35	194.10
36	.. ..	.. ..	103.20	134.70	170.70	210.00
38	.. ..	.. ..	111.30	145.30	184.20	227.20
40	.. ..	.. ..	119.60	156.20	198.10	244.30
44	.. ..	.. ..	.. ..	178.60	226.30	279.10
48	.. ..	.. ..	.. ..	201.80	255.65	315.40

TRENCH:

Average width, feet	Cu. ft.	Depth of silo in feet. 6 Lbs.	Cu. ft.	7 Lbs.	Cu. ft.	8 Lbs.	Cu. ft.	9 Lbs.	Cu. ft.	10 Lbs.
8	48	1680	56	1960	64	2240	72	2520	80	2800
9	54	1890	63	2205	72	2520	81	2835	90	3150
10	60	2100	70	2450	80	2800	90	3150	100	3500
11	66	2310	77	2695	88	3080	99	3465	110	3850
12	72	2520	84	2940	96	3360	108	3780	120	4200

Capacity of silo in cu. feet and pounds per foot of length of settled silage.
Silage weight figured at 35 pounds per cubic feet.

APPROXIMATE CUSTOM RATES FOR FARM MACHINERY 1953

Include machine, tractor, and operator unless noted otherwise:

HARVESTING

Job	Basis of Charge	Usual Rate
Corn picking	Acre	$7.50
Hauling and binning corn	Bushel	.10
Cutting corn (binder)	Acre	5.00
Combining		
Oats	Acre	5.50
Barley	Acre	5.50
Wheat	Acre	5.50
Lespedeza	Share	½ share
Beans	Acre	6.50
Field-chopping silage corn, including blower	Hour	10.00
Silo filling	Hour	15.00

HAYING

Job	Basis of Charge	Usual Rate
Mowing hay or pasture	Acre	$2.00
Mowing hay or pasture	Hour	4.00
Raking hay, side delivery	Acre	2.00
Pick-up baling	Ton	6.00
Pick-up baling	Bale	.15
Bale loader	Bale	.02
Stationary baling	Bale	.11
Hauling bales to barn and storing	Bale	.08

PLOWING AND CULTIVATING

Job	Basis of Charge	Usual Rate
Plowing, 2 bottom ave. land	Acre	$5.00
Plowing, 2 bottom rocky land	Acre	7.00
Disking	Acre	3.00
Harrowing, spring tooth	Acre	2.50
Cultivating	Acre	2.50

PLANTING AND DRILLING

Job	Basis of Charge	Usual Rate
Corn Planting	Acre	3.00
Drilling small grain with grass seed	Acre	2.00
Drilling small grain	Acre	1.75
Seeding, alfalfa, clover, etc.	Acre	1.75

MISCELLANEOUS

Boring post holes	Hole	.20
Boring post holes	Hour	4.00
Manure loader	Hour	4.00
Broadcast mixed fertilizer	Acre	2.00

Cost per pound of protein in feeds at various prices per ton

From U. S. D. A. bulletin 1179

Cost of feed per ton	Percent of protein in feeds										
	12	16	20	24	28	32	36	38	41	43	45
	Cents	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*
$10.00	4.17	3.13	2.50	2.08	1.79	1.56	1.39	1.32	1.22	1.16	1.11
15.00	6.25	4.69	3.75	3.13	2.68	2.34	2.08	1.97	1.83	1.74	1.67
20.00	8.33	6.25	5.00	4.17	3.57	3.13	2.78	2.63	2.44	2.33	2.22
25.00	10.42	7.82	6.25	5.23	4.47	3.91	3.47	3.29	3.05	2.91	2.77
30.00	12.50	9.38	7.50	6.25	5.36	4.69	4.16	3.95	3.66	3.48	3.38
35.00	14.58	10.94	8.75	7.29	6.25	5.47	4.86	4.61	4.26	4.07	3 89
40.00	16.67	12.50	10.00	8.33	7.14	6.25	5.55	5.26	4.88	4.65	4.44
45.00	18.75	14.06	11.25	9.38	8.03	7.03	6.25	5.92	5.49	5.23	5.00
50.00	20.83	15.63	12.50	10.42	8.93	7.81	6.94	6.58	6.09	5.81	5.55
55.00	22.91	17.19	13.75	11.46	9.82	8.59	7.64	7.24	6.71	6.40	6.11
60.00	25.00	18.75	15.00	12.50	10.71	8.38	8.33	7.89	7.32	6.97	6.67
65.00	27.08	20.31	16.25	13.54	11.67	10.16	9.03	8.55	7.92	7.56	7.22
70.00	29.16	21.87	17.50	14.58	12.50	10.94	9.72	9.21	8.53	8.14	7.78
75.00	31.25	23.44	18.75	15.62	13.39	11.72	10.41	9.87	9.14	8.72	8.33
80.00	33.33	25.00	20.00	16.67	14.28	12.50	11.11	10.53	9.75	9.32	8.89
85.00	35.41	26.56	21.25	17.71	15.18	13.28	11.80	11.18	10.36	9.88	9.44

LUMBER TABLES

Board feet in one piece of lumber of given size.

Size inches		length feet		bd. ft.	Size inches		length feet		bd. ft.
1x4	x	8	=	2 2/3	3x4	x	8	=	8
		10		3 1/3			10		10
		12		4			12		12
		14		4 2/3			14		14
		16		5 1/3			16		16
1x6	x	8	=	4	3x6	x	8	=	12
		10		5			10		15
		12		6			12		18
		14		7			14		21
		16		8			16		24
1x8	x	8	=	5 1/3	3x8	x	8	=	16
		10		6 2/3			10		20
		12		8			12		24
		14		9 1/3			14		28
		16		10 2/3			16		32
1x10	x	8	=	6 2/3	3x10	x	8	=	20
		10		8 1/3			10		25
		12		10			12		30
		14		11 2/3			14		35
		16		13 1/3			16		40
1x12	x	8	=	8	3x12	x	8	=	24
		10		10			10		30
		12		12			12		36
		14		14			14		42
		16		16			16		48
2x4	x	8	=	5 1/3	4x4	x	8	=	10 2/3
		10		6 2/3			10		13 1/3
		12		8			12		16
		14		9 1/3			14		18 2/3
		16		10 2/3			16		21 1/3
2x6	x	8	=	8	4x6	x	8	=	16
		10		10			10		20
		12		12			12		24
		14		14			14		28
		16		16			16		32
2x8	x	8	=	10 2/3	4x8	x	8	=	21 1/3
		10		13 1/3			10		26 2/3
		12		16			12		32
		14		18 2/3			14		37 1/3
		16		21 1/3			16		42 2/3
2x10	x	8	=	13 1/3	4x10	x	8	=	26 2/3
		10		16 2/3			10		33 1/3
		12		20			12		40
		14		23 1/3			14		46 2/3
		16		26 2/3			16		53 1/3
2x12	x	8	=	16	4x12	x	8	=	32
		10		20			10		40
		12		24			12		48
		14		28			14		56
		16		32			16		64

"The $100,000 son of the 'Bull of the Century' "

PRINCE ERIC ESQUIRE

The 1949—International Reserve Grand Champion bull and now a $100,000 son of the "Bull of the Century", Prince Eric of Sunbeam, now owned jointly with Old Elkton Farm, Forest, Virginia. His sons and daughters have broken Virginia sale records. He was the greatest show son and is now proving to be one of the greatest breeding sons of the immortal Prince Eric.

★ ★ ★

Visitors Welcome — Breeding Stock for Sale

★ ★ ★

ADAMS PLANTATION

JULIAN ADAMS
Owner

ADAM REID, JR.
Herdsman

J. T. SNIDER
Farm Manager

LYNCHBURG, VIRGINIA

Please see page 3

BELTED FIELDS

Haymarket, Virginia

PRINCE 71st of SHADOW ISLE 1379229
Son of Prince Sunbeam 249th

ALSO

PRINCE SUNBEAM 969th 1572995
Son of Prince Esquire of Sunbeam
(Owned jointly with Amandale Farm)

ANKONIAN 3243, Son of Eileenmere 1032"

OUR COW HERD IS MADE UP OF

Blackcap Bessie
Gammer
Georgina
Ballindalloch Jilt
Miss Burgess (Bonnie Bouquet)
McHenry Blackcap
Blackbird
Erica
Eulima Erica
Caldwell Elaine
Queen Mother
Evergreen Erica
Hartley Edella
Glencarnock Elba
McHenry Barbara
Pride of Aberdeen
Glencarnock Missie
Maid of Bummers
Elluna
Enchantress Erica

MR. & MRS. F. E. WESTENBERGER, Owners

Leo Butler, Manager

8/10 of a mile west of Haymarket

ELLINGTON FARM

Aberdeen Angus That Satisfy

DOSWELL, VIRGINIA

Maid of Bummers (Double Bred)

HOMEPLACE EILEENMERE 319th 1430825

Calved May 7, 1951. Owned by Penney and James.

Eileenmere 999th 890948	Eileenmere 487th 668743	Eileenmere 85th	Eileenmere 32d
			Enchantrene
		Pauline T. 6th	Eileenmere 32d
			Pauline T. 4th
	Black Bernice 2d of Thousand Hills 598422	Ames Plantation Elmour's Earl	Ames Plantation Elmour
			Ames Plantation Etna
		Black Bernice of Strathmore	Revelation 11th
			Black Bernice 5th
Miss Burgess of Glen Mawr 99th 1032994	Burgess 101st 717883	Burgess 75th	Revelation 11th
			Miss Burgess 41st
		Miss Burgess 39th	Enlot
			Miss Burgess 10th
	Miss Burgess 152d 607680	Revelation 11th	Revolution 7th
			Blackcap Empress 3d
		Miss Burgess of Glyn Mawr 9th	Elgon Marshall 2d
			Miss Burgess 10th

Although we have sons of Eileenmere 85th, Eileenmere 500th, Prince Sunbeam 249th, Glencarnock Eric of Cremona and a one-third interest in a son of Eileenmere 487th, we felt this son of "999th", undoubtedly the "wonder" bull's greatest son, would help us along the way. His dam, a Maid of Bummers bred in the pioneer Tudor herd and a full sister in blood to the dam of Shadow Isle's first prize bull at the International, is one of the great cows of the breed.

We have put Homeplace Eileenmere 319th right in service and we hope to campaign him as a two year old in 1954.

ELLINGTON

Doswell, Va. — Phone 4440

R. E. B. Blanton **Mr. & Mrs. M. B. Young, Mgr's.**

COR-DALE FARM

Kenbridge Virginia

EILEENMERE 1032

Sire of

ANKONIAN 3228

our promising herd bull whose pedigree we proudly present.

Eileenmere 1032nd 960440	Eileenmere 500th 699155	Eileenmere 85th 470007	Eileenmere 32nd
			Enchantrene
		Edwina 7th G.M. 534304	Maid's Belmore
			Edwina 5th G.M.
	Eulima 179th 680303	Peerless Rebellion 22nd 613968	Fountain Glen Rebellion
			R.v. College Blackbird 2nd
		Eulima 158th 541599	Fountain Glen Rebellion
			Eulima 130th
Blueblood Lady of Cremona 3rd 869907.	Glencarnock Eric of Cremona 529001	Glencarnock Earl Eric 16M 502865..	Eventuation of Page
			Eblinette McGregor
		Fannie Bess of Ada 451323	Blackcap Glenn 4th
			Fannie Bess 2nd
	Blueblood Lady Ida 38th 611170	Juana's Revolution 3rd of Ada 509349	Revolution of Page 28th
			Juanado 3rd of Page
		Blueblood Lady Ida 27th 515522	Revolution 78th
			Blueblood Lady 118th

Sired by a Int. Champion (Eileenmere 1032)

Grandson of 2 Int. Champions (Eileenmere 500 and Glencarnock Eric of Cremona)

3/4 Brother to 1952 Int. Champion (Ankonian 3216)

Watch for his calves in future sales.

VISITORS WELCOME

J. A. & W. T. CORDLE, owners **Phone 2281**

The Virginia Home Of THE BANDOLIERS

BANDOLIER OF ANOKA 6th
1937 International Grand Champion
Founder of Our Herd

HERD BULLS IN SERVICE

BANDOLIER 18th OF BRANDY ROCK
BLACKBIRD BANDOLIER OF PATTERDALE 2nd
HIGHLANDS BANDOLIER 33d
RUFFLANDS BLACK GRENADIER
BARDOLIER OF BRANDY ROCK 2nd
BARDOLIER OF BRANDY ROCK 5th

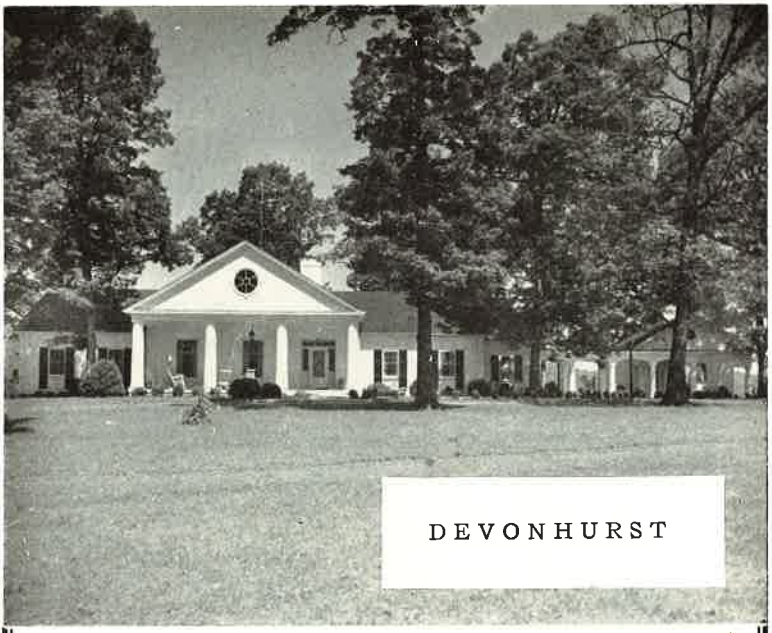
BRANDY ROCK

BRANDY, VIRGINIA
Phone Culpeper 3836

LEWIS L. STRAUSS
Owner

S. C. AYLOR
Manager

J. W. SETTLE
Herdsman



Breeders of Registered

ABERDEEN ANGUS

Our Bull Battery is listed
in our ad on page 121

SHETLAND PONIES

Of the Modern Type.
Blood Lines are the Best in America.

MIDGET SICILIAN DONKEYS

The Ideal Pet for Children.

SOUTH AMERICAN CHINCHILLAS

We have young mated pairs
for sale at reasonable prices.

BREEDING STOCK FOR SALE AT ALL TIMES

Visitors Always Welcome

DEVONHURST

V. D. Rider — Gordonsville, Va.

ANGUS HILLS' FARM

PRESENTS

A "HAPPY" OPPORTUNITY FOR 1953"

(HAPPY) BLACK PEER 27" of GILNOCKIE 1449144

We had our "Happy Opportunity" in 1952 when we purchased this outstanding calf. We would like to share his opportunity with you in 1953. "Happy's" first calves will arrive in March. All we ask is that you come see his calves and we think that you too will agree that we are offering the "Happy Opportunity" of 1953 to those who acquire the get and service of this great young bull. All of our sale heifers this year will be bred to this bull. We have 93 cows and heifers bred to "Happy" to date and for the lack of space we will sell bred cows and heifers of popular breeding, some cows with calves and rebred to (Happy).

Pay us a visit this Spring and Summer

We will thoroughly enjoy having you inspect our herd and pastures.

DR. VERNON J. LOHR, owner, New Market, Va.
SOLAN BARKER, herdsman, Timberville, Va.

FAIRWAY

RAPIDAN • VIRGINIA

Introduces SUN LAKE PRINCE 500

- Prince Sunbeam 156th 846841
  - ★Prince Sunbeam 29th 629408
    - ★★Black Prince of Sunbeam 504521
      - ★★★Blk. Peer of St. Al.
      - ★Pride 17th of Sunbeam
    - Erica Marie of Sunbeam 543531
      - Revolution 81st 419223
      - Erica Marie 9th 434227
  - Evergreen 21st of Sunbeam 526084
    - Barbarian of Rosemere 88th 471481
      - ★Prizemere 32d 369132
      - Barbara of Rose. 44th
    - Evergreen 16th of Sunbeam 493260
      - Elmore Harrison 2d
      - Evergreen 6th of Sun.
- Blackcap Judy of Windy Hill 1057831
  - Eileenmere 937th 890975
    - ★★★Eileenmere 500th 699155
      - ★★★Eileenmere 85th
      - ★Edwina 7th G. M.
    - Blackcap of Monticello 3d 672618
      - Eileenmere 289th
      - Blkcp of Monticello 2d
  - Blackcap Knapp 23d 898735
    - Prince Eileenmere 3d 724431
      - Eileenmere 300th
      - Blackbird Eileen F. 3d
    - Blackcap Princess 19th 721024
      - Erino's Duke 553458
      - Blkcp M. 32d of B. M.

Our record-breaking bull calf, purchased for $10,100.00 at 3½ months of age. He is a beautifully bred SUNMERE calf, for continued improvement in our carefully built **Bandolier-Bardolier** cow herd.

With the purchase of the entire HOTHER Herd in 1952, we have established one of the greatest concentrations of **Bandolier-Bardolier** breeding in the country. Daughters and granddaughters of these famous **Bandolier-Bardolier** bulls form the bulk of our herd: **Blackbird Bandolier of Page, Bandolier of Anoka, Bandolier of Anoka 6″, Bandolier of Anoka 10″, Kedar Bandolier, Barbarian Grenadier G.R., Black Bardolier, and Evader's Quality Bardolier.**

******NOW IN SERVICE: 4 Bandolier-Bardolier bulls of proven prepotency:**

★ **HOTHER'S BARDOLIER 2″** (Shorty)—former chief herd sire at HI Farm, he is siring show calves!

★ **WHITE GATES BLACK BARDOLIER 7″** (Buddy)—by Black Bardolier of White Gates 3d, out of the MODEL COW of the breed. Blackcap Rosebud G.R.

★ **BETHEL BANDOLIER 7″** (the 7th)—a son of Bethel Bandolier out of an own-daughter of Bandolier of Anoka 7th. His first calf crop stamps him an outstanding sire!

★ **HOTHER'S EVADER MARSHALL** (Evader)—a double-bred Evader's Quality Bardolier bull with worlds of quality, style and type.

BANDOLIER-BARDOLIER CATTLE CROSS WELL WITH ALL LINES OF BREEDING

We can supply individuals or groups to suit your requirements.

ALL POPULAR FAMILIES

Located on Route 615, six miles north of Orange

Mr. and Mrs. Joseph T. Stumpf *(Owners)*
ORANGE VA. 4946

Alec Stumpf
ORANGE VA. 7108

MEANDER FARM

Blackcap Barca A. P. 4th

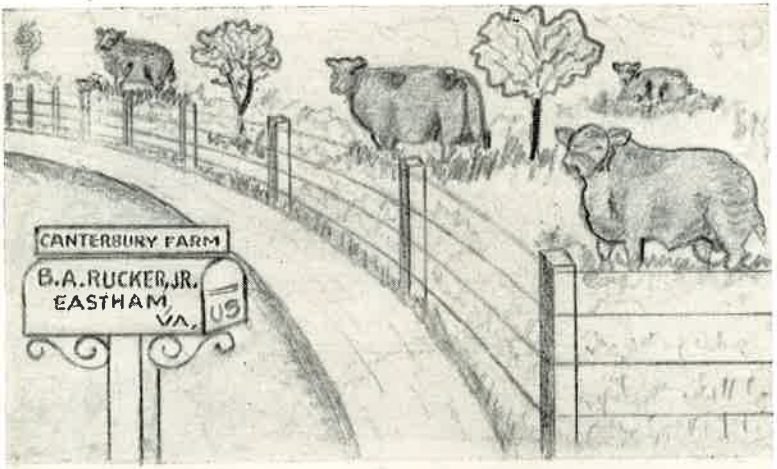
BOLD, BURLY BANDOLIER BULL—
HIS CALVES LOOK LIKE HIM.

Black Elegant McGregor

SIRES WITH QUALITY—THAT'S OUR AIM, STILL
SHORT LEGGED AND WITH TYPE TO EARN FAME.

Herd accredited for both Bangs and T. B.

MISSES F. JULIA and JUDITH R. SHEARER, owners
R. L. "RICK" ALTLAND, herdsman
Locust Dale, Virginia **Phone Orange 7447**



A PIEDMONT NEIGHBOR'S HERD

HERD SIRES IN SERVICE

PRINCE SUNBEAM 939" 1562826

Prince Esquire of Sunbeam 1255980	Prince Sunbeam 29"	Black Prince of Sunbeam	Blk Peer of S. A.
			Pride 17" of Sunb.
		Erica Marie of Sunbeam	Revolution 81"
			Erica Marie 9"
	Lonjac Erica 9"	Ecquire of Bordulac	Rev. of Page 43"
			Elba 3" of Strath.
		Lonjac Erica 6"	General 6" of Page
			B'cliff Erica 14"
Eileen of Rosemere 59" 1001606	Barbarian of Rosemere 175"	Epponian of Rosemere 6"	Prizemere 32"
			Epponia C. B.
		Barbara of Rosemere 144"	Eileenmere 61"
			Barbara of Rose 64
	Eileen of Rosemere 44"	Eileenmere 61"	Eileenmere 32"
			Ectessa
		Eileen of Rosemere 19"	Prizemere 32"
			Eileen of Rose. 7"

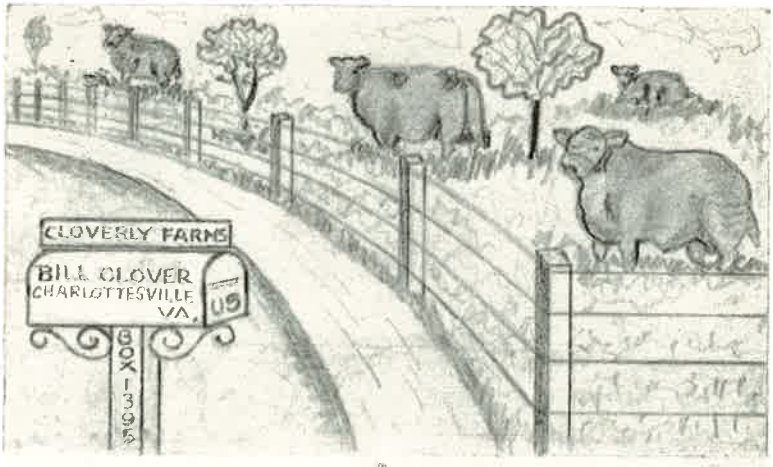
DOUBLEMERE

Eileenmere 1050" 1047517	Eileenmere 500"	Eileenmere 85"	Eileenmere 32"
			Enchantrene
		Edwina 7 G. M.	Maid's Belmore
			Edwina 5" G. M.
	Elbamere 8"	Eileenmere 85"	Eileenmere 32"
			Enchantrene
		Elba Empress of G. V. 4"	Earl Eric Marsh. 5
			Elba Empress
Blackcap Missie 97" 1328248	Eileenmere 500"	Eileenmere 85"	Eileenmere 32"
			Enchantrene
		Edwina 7" G. M.	Maid's Belmore
			Edwina 5" G. M.
	Blackcap Tolan 105"	Eileenmere 260"	Eileenmere 85"
			Barb. 2" of Strath.
		Blackcap Tolan 82"	Eileenmere 85"
			Blkcap Tolan 38"

CANTERBURY FARM

B. A. RUCKER, JR. Eastham, Va.

Phone — Charlottesville 3-1317



A

PIEDMONT NEIGHBOR'S HERD

HERD SIRES

EILEENMERE 1043

One of the top sons of the Int. Gr. Champ. Eileenmere 500th. 1043 is 1/2 brother to 3 Int. Gr. Champs.

GALLAGHERS BLACKMERE

A Great Breeding Son of Eileenmere 1026.
His dam is an outstanding Blackcap Bessie Cow.

DOUBLEMERE

A promising young son of Eileenmere 1050th
out of a daughter of Eileenmere 500th.
Owned jointly with Dave Canning and B. A. Rucker

* * * * *

The get of Eileenmere 1043 will be featured in our offering in the PIEDMONT NEIGHBORS SALES—Nov. 14, 1953 and June 19, 1954 at Cloverly, Charlottesville.

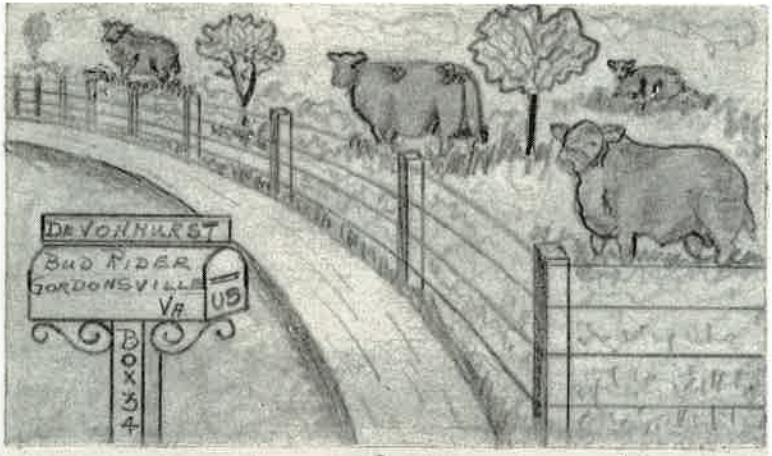
Check the bulls being used by the PIEDMONT NEIGHBORS and be on hand to help yourself to the sons and daughters of these top bulls.

We appreciate the confidence shown by the buyers in our June 20th sale.

CLOVERLY FARMS

Charlottesville and Stanardsville

Bill Clover, Box 1395, University Station, Charlottesville, Va.



A
PIEDMONT NEIGHBOR'S
HERD

PRINCE OF RUNACRES 2nd #1410870
A Top Son of the $200,000.00
Prince Sunbeam 249th

ANKONIAN 3298th #1589428
An Outstanding Son of the
International Grand Champion
Eileenmere 1032nd

K. P. BARDOLIER G. R. #865274
A Son of Black Bardolier

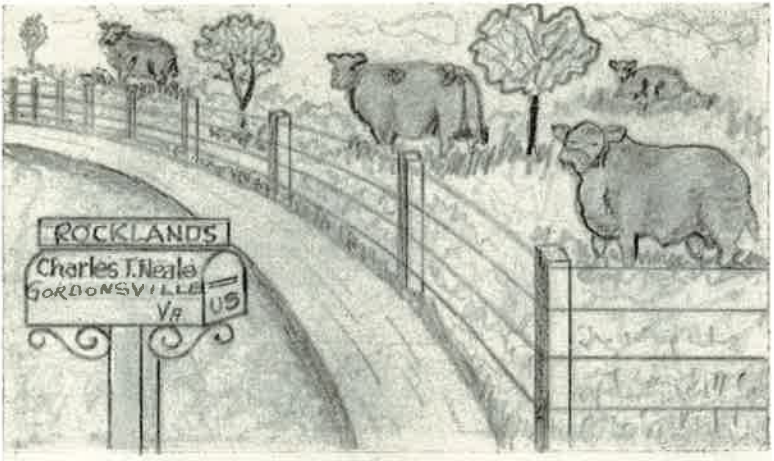
The produce from our carefully selected females by these bulls will be sold through the PIEDMONT NEIGHBORS SALES November 14, 1953 and June 19, 1954 at Cloverly Farms 1 mile north of Charlottesville, Va., on Highway No. 29.

You will find the best of Breeding and Good Individuals selling through these sales so remember the dates and attend each sale.

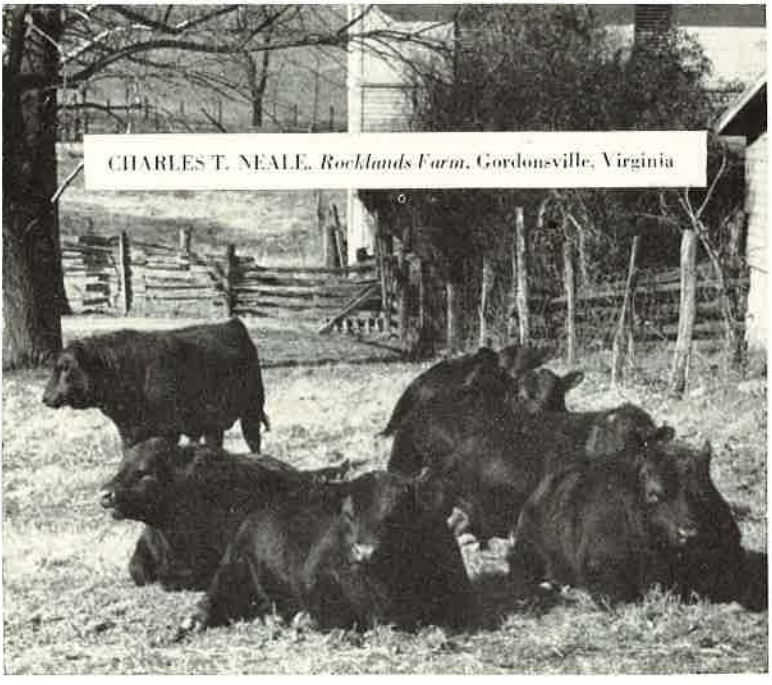
Visitors Always Welcome

DEVONHURST

V. D. RIDER — GORDONSVILLE, VA.



A
PIEDMONT NEIGHBOR'S
HERD



CHARLES T. NEALE, *Rocklands Farm*, Gordonsville, Virginia

Gilnockie

"The Home of the Type Setting Peers"

HAYWOOD, VIRGINIA

Black Peer A. V. 7", the "TYPE SETTER"— so called because he so defiinitely stamps his Get with the qualities that make the breed great.

Black Peer 66" of Angus Valley, the worthy half-brother of "the 7th", is siring superior calves distinguished by depth of body, full quarters and a real fleshing quality.

Gilnockie

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Located 5 Miles S.W. of CHILHOWIE, VIRGINIA,
on State Road No. 79

Mr. and Mrs. William B. McSpadden, *Owners*

A Small but Select Herd of Top Quality Cows Mated to:

Florida's Magic Master 4" 993876—A champion son of Globe Hill Magic Master
Barbarian Evader H. H. 1213229—Our "Platinum Cross" Junior Herd Sire.
K. B. Eileenmere 45" 1263615—Our grandson of "487" owned jointly with Keefauver Bros.
Grenadier 15" of Brays Island 1420889—A grandson of Black Bardolier

We are carrying on the
Herd Est. in 1916 by the late James E. McSpadden

Watch for the name "McAngus"—our Trade Mark of Quality

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HERD BULLS:
ENVIOUS ERIC I. E. 2nd 977338
ELLINGTON GLEN ERIC 2nd 1593674
KINLOCKMERE 46th (½ interest)

Mac B. & A. W. Buhrman, Jr. E. K. Bobb
Owners *Manager*

MIDDLE RIVER ANGUS FARM

HERD SIRE
KINLOCHMERE 7th by Eileenmere 1029
A Maid of Bummers (Miss Burgess)

Two miles east of Ft. Defiance on U. S. 742
BAILEY BROTHERS

Ft. Defiance Virginia

Fernclifte Farm

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Second Branch Blackbird

HOMEPLACE EILEENMERE 320th 1430827

Eileenmere 487th 668743	Eileenmere 85th 470007	Eileenmere 32d	Eileenmere 15th
			Blackbird Girl 7th
		Enchantrene	Shady Brook Elwood
			Elmland Erica A. 7th
	Pauline T. 6th 523013	Eileenmere 32d	Eileenmere 15th
			Blackbird Girl 7th
		Pauline T. 4th	Eileenmere 4th
			Pauline T. 3d
Homeplace Blackbird 48th 1134677	Eileenmere 487th 668743	Eileenmere 85th	Eileenmere 32d
			Enchantrene
		Pauline T. 6th	Eileenmere 32d
			Pauline T. 4th
	Blackbird's Billie 614578	Black Beau 11th	Antler of R'mere 15th
			Pride 4th of Tech
		Blackbird 52d of Elkton	Beltrami 2d
			Blkbd 27th of Elkwood

One of the last and one of the best sons of the "wonder" bull, Eileenmere 487th. There are very few sons of "487th" in service in Virginia and we are particularly pleased to secure this double bred one in the recent Penney and James Production Sale. He is already in heavy service in our herd carefully selected from Virginia's better sales.

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KINLOCH BANDOLIER 27th—Son of Whitney Bandolier

Accredited Herd

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HERD BULLS

Ellington Eileenmere 1324241

Eilenmere 13th of Ruther Glen 1262651

Blakeford Grenadier 2nd 971314

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BLACKCAP BARDOLIER G. R. 10th 847476

Black Bardolier 480883	Bandolier of Anoka 462299.	Blackbird Bandolier of Page 414212 ..	Glencarnock Revo. 6th
			Blkbd Harrison 6th
		Barbara McHenry of Anoka 462298	Queenmere 32d
			Barbara McHenry 52d
	Black Bardella 460791	Bardell Martin 2d 423834	Bardell
			Blkcp McHenry 404th
		Blackbird Quality Lot 429029	Quality Marshall
			Blackbird Lot 4th
Blackcap Rosebud 5th 517825 ...	Bandolier of Anoka 462299.	Blackbird Bandolier of Page 414212 ..	Glencarnock Revo. 6th
			Blkbd Harrison 6th
		Barbara McHenry of Anoka 462298 ...	Queenmere 32d
			Barbara McHenry 52d
	Blackcap Rosebud 4th 460821 ...	Edgar Protest 408991	Edgar of Dalmeny
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HERD BULLS:

HIGHLANDS GENERAL 55"

HIGHLANDS GENERAL 30"

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Visitors always welcome.

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RETREAT BLACK ROCK, an intensely Briarcliff bred bull, BLACK PEER 34th OF GILNOCKIE, grandson of the "Type Setter", and PRINCE M. OF RED GATE, an outstanding son of Imp. Prince of Rowley, head our herd of Georginas, Ericas, Blackcaps and Prides. We seldom fit for show, but we do have top quality and breeding at reasonable prices.

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Black Peer 18" of Gilnockie

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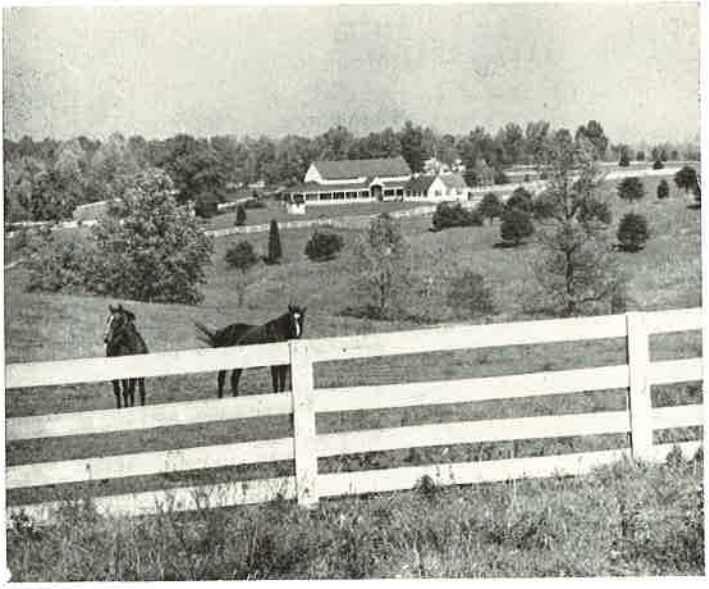

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FAIR MEADOWS BLACK PEER, son of the 1951 Supreme Champion at Staunton, Black Peer 5th of Gilnockie

FAIR MEADOWS EPPONIAN, son of the LeBaron Model bull, out of a Blackbird Blossom cow purchased at a "Spotlight" Sale.

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Featuring: KINLOCK BANDOLIER 40th

Choice herd sire prospects from daughters of:

Bandolier of Anoka 7th, Black Bardolier of White Gates 3d, Glencarnock Eric of Cremona, Prince Eric Esquire

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PRINCE 233" of ELYSIAN 1480634

ALLEN ERIC C. H. 1230814

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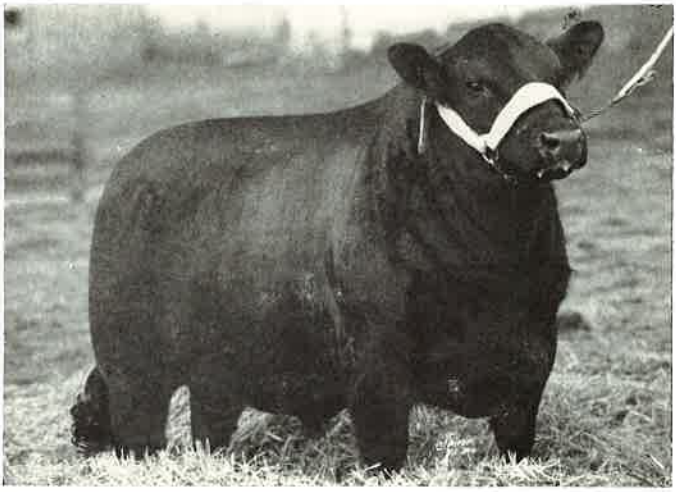

EILEENMERE A 84th

In Service:

EILEENMERE A 84th (see cut above), an outstanding grandson of the great EILEENMERE 487th. See his calves.

EPPONIAN ELBERON OF ELKTON, Grand Champion Orange District Show 1948. He has done us good.

Our purchases at 1952 Kinloch, Gilnockie and Orange Sales have strengthened our breeding herd. Some excellent calves have already arrived

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We impatiently await the first calves by these two ultra modern herd sires.

ANKONIAN 32102"

- Eileenmere 1032" 960440
  - Eileenmere 500"
    - Eileenmere 85"
    - Edwina 7" G. M.
  - Eulima 179"
    - Peerless Rebellion 2"
    - Eulima 158"
- Blackbird E. 4" of Cremona 745221
  - Glencarnock Eric of Cremona
    - Glenc. Earl Eric 16" M.
    - Fannie Bess of Ada
  - Cremona Duchess
    - Glenc. Earl Eric 16" M.
    - Blkbd E. 2" of Cremona

RUNACRESMERE 191"

- Ankonian 3219"
  - Eileenmere 1032
    - Eileenmere 500"
    - Eulima 179"
  - Ankony Mignonne Pride 2"
    - Blackbird Barry
    - Ankony Pride 2"
- Ankony Blueblood Lady
  - Wintonier 4"
    - Robt. The Bruce of WW
    - Ellnora Winton
  - Blueblood Lady Ida 38"
    - Juana's Rev. 3" of Ada
    - Blueblood Lady Ida 27"

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Eileenmere Bulls Heading Our Herd

50 Aberdeen-Angus Cattle
100 Cheviot Sheep

(All running on pasture until day of sale)

Charles W. Wampler & Sons

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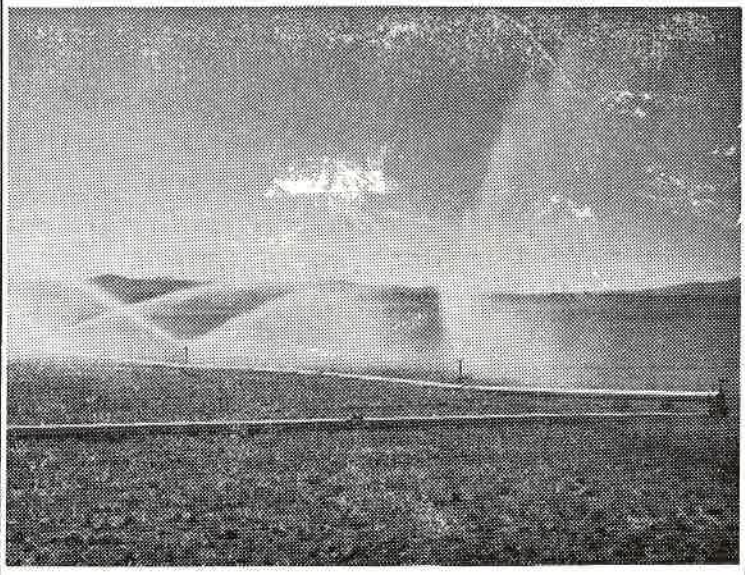

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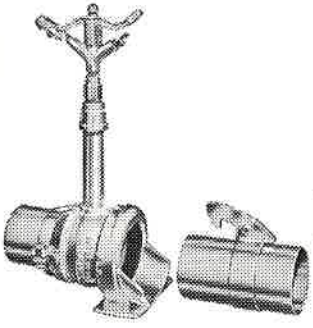
portable irrigation system can keep your pasture productive all summer. Hay crop yields are much larger. Write for more information and dealers name.



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A Small Select Herd of Females

Headed by

BARBARIAN O. E. 1290783

A Prepotent Grandson of Eileenmere 487th (the Wonder Bull) from A Daughter of Epponian Stamp of Broadview.

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Junior Sire

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A Triple Bred International Grand Champion Bull by Eileenmere 1029th from A Daughter of Glencarnock Eric of Cremona.

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Our New Junior Herd Sire.

WHITNEY EILEENMERE 4th

Son of Homeplace Eileenmere 210th.

Grandson of Eileenmere 487th.

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Topped the recent C. V. Whitney Sale at $20,000.00

We intend to bred him to the daughters of Bandoliermere 42".

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Hawkwood

Gordonsville, Va.

HELEN and JOHN SMALL
Owners

DONALD MEHMEL
Manager

HAWKWOOD

Herd Bulls

BANDOLIERMERE 42" (Blackcap Missie)
Sire: Eva's Bandolier Lad Dam: Blackcap Tolan 174
A son was Reserve Grand Champion and top selling bull at Warrenton 1952.

PRINCE EDELLOR R. R. (Hartley Edella)
Sire: Prince Sunbeam 62" Dam: Edella 6" of Bordulac
A daughter was Junior Champion and one of the top selling females at Warrenton 1952.

Hawkwood
Gordonsville, Va.

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SPILLMAN FARM MANAGEMENT SERVICE

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Offering: **Complete management**
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Berryville, Virginia

Herd Bulls:

BLAKEFORD G. R. MASTER
son of Queens Grenadier G. R.

GRENADIER A. P.
son of Ankony Barca 3rd

Young stock for sale.

ACCREDITED HERD

Visitors always welcome.

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GRAHAM DOUGHERTY Phone 12

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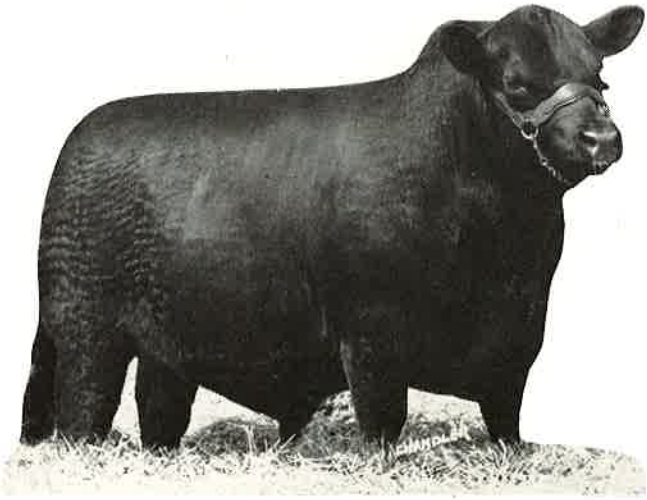
MAGGIE, VIRGINIA



EILEENMERE 1528 1245966

PRINCE DEN-MOR 104th

These two outstanding sires now in service to our cow herd of top females selected at leading sales throughout the country and the recent purchase of the excellent Sugar Loaf Farm herd owned by Dr. W. D. Pedigo.

Fran & Jimmie Keiser
Owners

Bud Goodman
Herdsman

BLACKBIRD MODEL 2" of LeBARON

The LeBaron show bull of 1950, linebred quality direct from Epponian 8" of Rosemere.

Junior Herd Sire: ELLMANOR EPPONIAN
Our herd has been outstandingly free of disease for its entire 22 years. Herd certified and accredited.

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Breeders of Commercial Aberdeen-Angus Cattle

We have more than 300 head of brood cows.

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Located just north of Staunton, Va., and East of Route 11.

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Rural Route 4 Staunton, Virginia

LYNN BRAE FARMS

Catawba, Virginia

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OUR BULL BATTERY:

Lynn Brae Eileenmere 2 by Eileenmere 1032nd

White Gates Black Bardolier 22"

Black Peer of Lynn Brae by Black Peer 134 A. V.

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B. W. STEELE, M.D.
Owner

T. D. STEELE
Manager

MASSANUTTEN FARM

Route 3, Luray, Virginia

Herd Bulls:

I. BLACK PEER of WHITE GATES 3d

His sire, Black Peer 27th of Angus Valley.
His dam, sired by Bar Prince of Sunbeam.

II. WHITE GATES BARDOLIER 28th

His sire, Bandolier of White Gates.
His dam, sired by Bardolier of Anoka 7th.

Herd Cows:

Most of our cows are sired by a son or grandson of Eston of Quality and include several granddaughters of Black Prince of Sunbeam.

GAIL F. MOULTON, Owner
PHONE LURAY 36-F-15

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GREAT BRITAIN
Be Sure to get in touch with us.

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We shall be delighted to see you and if you write us beforehand advising of your visit, we shall prepare itineries for you so that you may visit herds that interest you.

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At your request, we shall send you the latest issue of the ABERDEEN-ANGUS REVIEW and you can also have lists indicating the families of the Breed in the various herds in Great Britain.

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We look forward to your letters and visits.

* * * * *

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Son of Eileenmere 500th 1946 International Grand Champion Bull

EILEENMERE 1075th
A Champion in his own right

Junior Champion Bull 1949 Illinois State Fair. First Prize Junior Yearling Bull 1949 Ohio State Fair. Reserve Junior Champion Bull 1948 Illinois State Fair. First Prize Junior Bull Calf 1949 Houston Fat Stock Show. 1948 International Junior Bull Calf. 19 shown Eileenmere 1075 stood second.

Orange **Woodley** *Virginia*

The herd with a Record Since 1929

MR. AND MRS. F. H. WALTON, *owners*

Limestone

SENIOR HERD SIRE:
Eileenmere C. R. 35, a grandson of Eileenmere 260th, 1941 International Senior Champion. A half brother to Eileenmere R. 21, the 1947 International Reserve Grand Champion.

JUNIOR HERD SIRE:
Hother Black Bardolier 100. Newly acquired by us from "Fairway" to be used as a platinum cross to daughters of Eileenmere C. R. 35.

Our breeding herd contains daughters and granddaughters of famous bulls such as Eileenmere 85th and Eileenmere 499th, of good solid families.

"To Show You Our Cattle is a Pleasure"

LIMESTONE

Keswick, Virginia

MR. & MRS.
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"DICK" FLORENCE
Manager & Herdsman

SNOW'S ANGUS FARM

CLOVER, VIRGINIA

Just in to top our new herd of Angus

EILEENMERE 1135

Son of Eileenmere 500

His dam—Paulinemere II. Full sister to Eileenmere 487th.

A good herd of carefully selected individuals.

Visitors Welcome

T. N. SNOW, JR., *Owner*

Clover, Virginia

Farm—8 miles west of Clover on 603. Turn left on 739 to end of road.

OAKLAND FARM

On Old Ivy Road — 1¼ miles west

HERD BULL

GREENBRIER PRINCE PEER 3d 1456175

J. R. Cary, Jr.

Ivy, Virginia

KINGDOM FARM

4 miles south of Leesburg on Evergreen Mills Road

HERD BULL:

EPPONIAN 12th OF LeBARON

Double bred grandson of International Grand Champion

EPPONIAN 8th OF ROSEMERE

Brig. Gen. and Mrs. William C. Crane, Owners

Rt. 1, Box 240

Leesburg, Virginia

BROOKLEY FARM

HUTCHINSON & SPANGLER

REGISTERED ABERDEEN-ANGUS

Scottsville Rt. 1 Virginia

★ ★ ★ ★ 55 Star Bull ★ ★ ★ ★

EILEENMERE 1142d

Sire: **EILEENMERE 1062d 1047546**

- ★★★★★ Eileenmere 500th 699155.
  - ★★★★ Eileenmere 85th 470007 ...
    - ★★★★ Eileenmere 32d .....
      - ★★ Eileenmere 15th
      - Blackbird Girl 7th
      - Shady Brook Elwood
      - Elmland Erica A 7th
    - ★ Enchantrene... Maid's Belmore..
      - Belmore Star
      - Blackbird Maid 37th
  - ★ Edwina 7th G. M. 534304 ....
    - Edwina 5th G. M.
      - Belasco 6th
      - Edwina M. 3d
    - Hanes' Eileenmere 2d .....
      - Hanes' Eileenmere
      - Blackbird Folora 5th
- Pridemere T. 47th 722438..
  - Bertram's Eileenmere 572682 ..
    - Blueribbon of Bertram Bess..
      - Blackcap Lad S.
      - Blueribbon of Bertram 3rd
  - Proud Lady T. 484953 .....
    - ★★★★ Eileenmere 32d .....
      - ★★ Eileenmere 15th
      - Blackbird Girl 7th
    - Pride of Rosemere 157th ...
      - Queenmere 22d
      - Pride C. B. 3d

Dam: **BARBARAMERE 22d 1047526**

- Eileenmere 585th 722439.
  - ★★★★ Eileenmere 85th 470007 ...
    - ★★★★ Eileenmere 32d .....
      - ★★ Eileenmere 15th
      - Blackbird Girl 7th
      - Shady Brook Elwood
      - Elmland Erica A. 7th
    - ★ Enchantrene... Bandolier of Anoka 7th ....
      - ★ Blkbd Bandolier of Page
      - ★ Barbara of Rosemere 47th
  - ★ Blackcap Tolan 79th 564868 ..
    - Blackcap Tolan 30th .....
      - ★★★★ Eileenmere 32d
      - ★★★ Blackcap Missie
- Hardwick's Barbara 7th 774534 .....
  - Eileenmere 298th 589559 .....
    - ★★★★ Eileenmere 85th .....
      - ★★★★ Eileenmere 32d
      - ★ Enchantrene
    - Ectessa .....
      - Shady Brook Elwood
      - Erica Ever
  - Hardwick's Barbara 3d 671141.
    - Prizemere 364th .
      - Queenmere 70th
      - ★★ Pride of Rosemere 67th
    - Barbara's Lassie B. .....
      - Double Burgess
      - Barbara 11th of St. Albans

★ Indicates that the animal has sired or produced one International Grand Champion.

★★ Indicates that the animal is or was an International Grand Champion or sired or produced two International Grand Champions.

★★★ Indicates that the animal is or was an International Grand Champion and has sired at least one International Grand Champion; or is the sire or dam of three International Grand Champions.

★★★★ Indicates that the animal is or was an International Grand Champion and has sired or produced two International Grand Champions; or is the sire or the dam of four International Grand Champions.

★★★★★ Indicates that the animal is or was an International Grand Champion and has sired or produced three International Grand Champions; or is the sire or dam of five International Grand Champions.

CLOVER HILL ANGUS FARM

KESWICK ★ ★ ★ ★ ★ ★ ★ ★ VIRGINIA

Ellerslie Eric
son of Glencarnock Eric
of Cremona out of a daughter
of Wintonier 4"—a double bred
International Grand Champion

Eileenmere (Tolan) 1142
55 Star Bull by Eileenmere
1062 out of a daughter of "The
Picture Bull", Eileenmere 585.
Flesh and quality superb.

Eileenmere (Tolan) 1138
39 Star Bull by Eileenmere
500"; double bred Earl Marshall
on the dam's side—a tremendous
topped bull.

Clover Hill Angus Farm

Keswick

STOP IN AND LOOK AROUND

Virginia

Clover Hill Angus Farm

Eileenmere (Tolan) 1542
47 Star Bull by Eileenmere 500"
out of a daughter of Eileenmere
85" and granddaughter of
Eileenmere 15"

Bandolieremere (Tolan) 82"
Fancy headed, short backed,
tight made kind of a bull, a
grandson of Eva's Bandolier Lad

300 Brood Cows consisting of
the following families: Georgina,
Zara, Jilt, Hartley Elines, Barbara,
Blackcap, Rosemere Pride, Erica,
Blackbird, Juana Erica, Queen
Mother, Miss Burgess and other
good producing families.

PAUL J. BLOCH
Owner

ROBERT "Bob" BLOCH
Manager

Multiply Your Stars

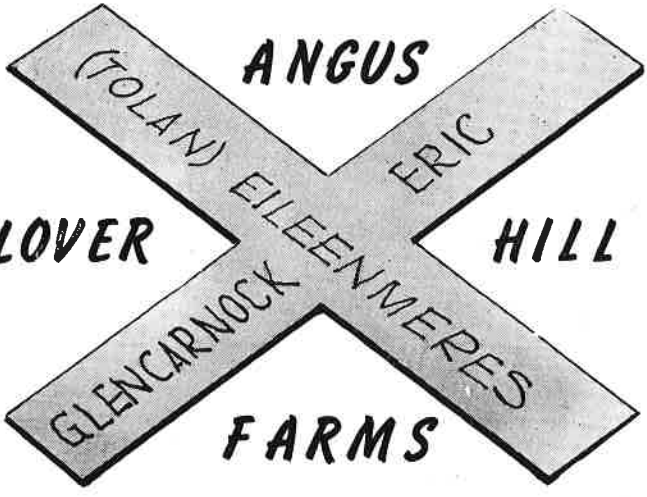
We Produce Economically — We Sell Reasonably

Eileenmere (Tolan) X Glencarnock Eric = Quality Improvement

We mate sons of the "500th" to daughters of top son of

"OLD ERIC"

This cross produced the 1952 International Grand Champion Bull



A SATISFIED CUSTOMER IS OUR CHIEF AIM

CLOVER HILL ANGUS FARM

Keswick, Virginia

10 Miles From Association Headquarters

Phone Charlottesville 2-7868

PAUL J. BLOCH
Owner

ROBERT "BOB" BLOCH
Manager

HARMONY HOLLOW

Introducing Ankonian 3239, Son of International Grand Champion and 3/4 brother of 1952 International Grand Champion.

★★★Eileenmere 1032	★★★Eileenmere 500th	★★★Eileenmere 85th	★Eileenmere 32
			★Enchantrene
		★Edwina 7th G. M.	Maid's Belmore
			Edwina 5th G. M.
	★Eulima 179th	Peerless Rebellion 22nd.	Fountain Glen Rebellion
			Rev. College Blackbird 2nd
		Eulima 158th	Fountain Glen Rebellion
			Eulima 130th
Blackbird E 4th of Cremona	★★Glencarnock Eric of Cremona	★Glencarnock Earl Eric 16th	★★Eventuation of Page
			Eblinette McGregor
		★Fannie Bess of Ada	Blackcap Glenn 4th
			Fannie Bess 2nd
	Cremona Dutchess	★Glencarnock Earl Eric 16th	★★Eventuation of Page
			Eblinette McGregor
		Blackbird E. 2nd of Cremona	Evaxus 28th of Page
			Blackbird E. of Glencarn.

We believe in cattle that produce beef economically on home grown ruffage.

DR. ORVILLE VAN DEUSEN — FRONT ROYAL, VA.

ARBOR HILL FARMS

★ ★ ★

Registered Animals at reasonable prices.

We support Heifer Club Projects.

We support steer club projects.

We support the District Sales.

We believe in the future of Angus cattle.

We are proud of our State Association.

★ ★ ★

Visitors Welcome

★ ★ ★

MR. & MRS. G. DAYTON HODGES

HIGH HILL FARMS

A Quality Herd Of Top Bloodlines

"Building the Cerralto Line"

A foundation herd of outstanding individuals from leading families is substantially complete. For two successive years we have acquired the top of the yearling heifers from Kemp's Iowa herd. High Hill will be the Virginia home of the "Bell Boy" breeding!

Our calf crop includes sons and daughters of Prince Eric of Sunbeam, Prince Eric Esquire, Tolan's Bandolier, and Highlands Burgess 6th—all fine individuals.

Cerralto Prince Eric, one of the best sons of the "Old Prince" will soon be in harness with Highlands Burgess 6th, our Spotlight champion.

Aldie, Virginia

Mr. and Mrs. Frank J. Zito, Owners

Frank J. Pearson, Manager

J. E. Stork, Cattle Supt.

We Use It Ourselves **Graham-Hoeme Plow**

HY-KLAS PAINT

Quality Plus for Home and Farm

Originators of White Creosote

Reasonable Prices

Shipped Direct to You

Cinnamon Hill Aberdeen-Angus

H. L. BRIGHT AGENCY **COBHAM, VA.**

MIRADOR

ANGUS

★ ★ ★

WELL BRED ● WELL FED

★ ★ ★

Greenwood, Va.

MERIFIELDS

HERD BULLS

BLACK PEER 20th of GILNOCKIE

Son of Black Peer AV 7th

PRINCE 311 of ELYSIAN

Double Bred Black Prince of Sunbeam

MR. AND MRS. RALPH HORWEEN Keswick, Va.

WINCKLER'S STOCK FARM

Building one of Southside Virginia's top herds with such families as: Eisa Trojan Erica's, Glencarnock Elba's, Pride of Aberdeen's, Idesa's, and Blackcap Marjorie's

Featuring as Senior Herd Sire

GENERAL 20" of ELK HILL 1186677

son of HIGHLAND GENERAL 19" 778648

Jr. Herd Sire

PRINCE ERICA of W S F 1465037

son of PRINCE 29" of ESSAR 1095085

LaCROSSE, VIRGINIA

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FOR OVER FORTY YEARS

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STAUNTON - - VIRGINIA

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When in need of the proper breeding stock or herd bull to improve your herd, visit our farm.

"Our herd has been built on quality and dependability."

MR. AND MRS. J. E. RUNNELS, JR., *Owners*

Burnbrae Farm

Registered

Aberdeen-Angus cattle

EILEENMERE A. 89th *Herd Sire*

PRINCE SUNBEAM 2nd of BURNBRAE

Junior Herd Sire

(Son of Prince Sunbeam 340th)

MR. & MRS. IRVING S. PASCAL
owners

Lynchburg, Va.

PEN-Y-BRYN

Rectortown Fauquier County
Virginia

★ ★ ★

Breeder of Beef Cattle

PAUL LLEWELLYN

Specialty

BLUE ROANS

Courtland Farm

HANOVER, VIRGINIA

* * * * *

14 Miles North of Richmond

On Highway No. 301, At Hanover County Court House

HILTON FARM

Somerset, Virginia

MR. AND MRS. FRANK D. ROCK, *owners*

A small select herd of top quality cows mated to:

ANKONIAN 3222nd

Son of the 1949 International Grand Champion Eileenmere 1032nd and half-brother to the 1952 International Grand Champion, Ankonian 3216th

SUNNY VIEW

Rapidan, Virginia

EILEENMERE 1190th, a splendid headed, smooth, thick son of "The Eternal" Eileenmere 500th now heads our herd. The son, grandson, and brother to Int. Grand Champions, out of the dam of a $30,000.00 bull, Eileenmere 1190th. looks a champion and should breed like one with our great cow herd.

You are invited to see him and the foundation heifers we will offer safe in calf to him.

MR. AND MRS. ROBERT A. LUX

A

CLEAN HERD

of

QUALITY CATTLE

★ ★ ★

(registered and grade)

★ ★ ★

BELLE ISLE FARM

Somers P. O. Lancaster Co., Va.

GREENFIELDS

Small but select. Tops in Quality, Pedigrees and Families. For herd improvement look over our offerings.

Mr. and Mrs. A. B. Gwathmey — Orange, Va.

NEGROFOOT FARM

On highway 54 — 8 miles west of Ashland

HERD BULL

BLACK PEER 8" OF GILNOCKIE, 1181768

George R. Hudgins — Rt. 2, Beaverdam, Va.

WAVERLEY

REGISTERED ABERDEEN-ANGUS

Earlysville, Virginia

Mr. and Mrs. W. S. Harvey
Owners

Wm. A. Spillman
Spillman Farm Mgment Service
Manager

FOXDEN FARM

REGISTERED ABERDEEN-ANGUS CATTLE

HERD BULLS

Bandolier 212 of Brandy Rock—1416586

Bardolier of Brandy Rock 4th—1416522

S. H. MILLER and ANNORA S. MILLER, Owners

O. T. Huff, Jr., Manager

Shadwell, Virginia

P. O. Box 126 — Phone Charlottesville 30233

ASPEN DALE FARM

Delaplane — Fauquier County — Virginia

The farm is on Route 55, 3 miles west of Delaplane and 12 miles east of Front Royal, the northern limit of Skyline Drive, therefore it is accessible.

We invite your inspection of our cattle in their every day clothes and not "dressed up".

HERD SIRES

Ellerslie Eric 4th by Glencarnock Eric of Cremona
Prince of Aspen Dale by Ever Prince Revolution 5th
Aspen Dale Barca by Ankony Barca 3rd.

Dr. and Mrs. Thomas E. Hughes — Melvin Hunter

PHONES
Marshall 6061 — Marshall 6062

BONNIE HILLS FARM

HERD SIRES

Epponian 12th of Gilnockie — **Epponian 10th of Bonnie H.**

Reasonably priced top quality foundation stock.
Predominantly Eileenmere breeding.

Visitors Welcome

James D. Tate—Phone Staunton 5-2945—Rt. 1 Staunton, Va.

SKYVIEW FARMS

Buena Vista, Virginia

Registered and Commercial Angus

HERD BULLS:
BUXOM BANDOLIER OF ARBOR HILL
ROCK MISCHOR

Fred K. Carter — **Owners** — **Wendell N. Carter**

WINDHOLME FARM

HERD BULLS
BANDOLIER OF ANOKA 60"
JUANA'S ELEGANT OF ANDELOT

Harry T. Peters, Jr. — **Orange, Virginia**

TOP FEEDER STEERS? *YES!*

at

GREENMONT

Allen K. Randolph — **Keene, Virginia**

Notable Aberdeen-Angus Families

By Keith B. Wiley

The indispensable reference book for every Angus breeder. $6.00 postpaid. New Supplement in preparation. Send for free circular.

WAKEFIELD FARM Earlysville, Va.

EBONY FARM

Stuarts Draft, Va.

Introduces half its herd — the herd sire

"SHADOW ISLE PRINCE 22" 1514565

A top son of "PRINCE SUNBEAM 328"

1 mile South of Stuarts Draft on Route 12

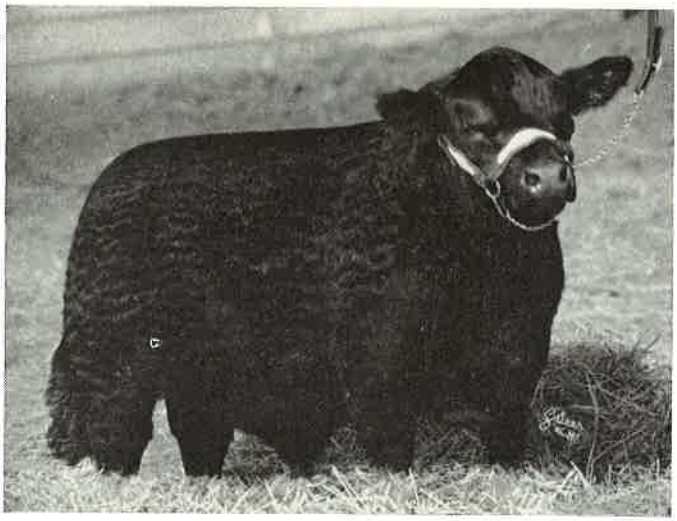
Ralph & Ray Weaver

Quality Printing

FOR OVER FORTY YEARS

McCLURE PRINTING COMPANY

STAUNTON - - VIRGINIA



"SON OF THE 79th"

BLACK EPIC 2d of A. V. 1533070

Calved January 26, 1952. Bred by Angus Valley Farms, Inc.

Black Peer 79th of Angus Valley 1243485	Prince Sunbeam 105th 784382	★Prince Sunbeam 29th 629408	★★Blk Prince of Sunbeam
			Erica Marie of Sunbeam
		Queen Peeress S. B. 525281	★★★Blk Peer of St. Albans
			Queen of Sunbeam 353414
	Chimera of Gilnockie 932205	Epponian of Gilnockie 725106	Protester of Broadview
			Schwarzekuh 7th 598524
		Nubian Lassie of Br. Rock 734110	Bandolier of Brandy Rock
			Beauty of Wheatland 11th
Oak Ridge Miss Burgess 28th 1135504	Prince Revolution A Bar A 846626	Prince Sunbeam 44th 677644	★★Blk Prince of Sunbeam
			Barbara McHenry 76th
		Blackcap 2d of A Bar A 654005	Trojan Lad 2d 565192
			Blackcap Lady Ann 3d
	Maid of Oakdale 44th 596528	Bur Marshall 15th 475294	Elation Marshall 2d 406019
			Barmaid 4th 438676
		Maid of Aakdale 10th 443010	Elation Marshall 2d 406019
			Bandy Maid of Tullochgrib.

Footnote from Angus Valley Catalogue

BLACK EPIC 2d of A. V. 1533070—Last year in our 1952 Annual Sale we sold a son of Prince Sunbeam 105th, Black Peer 79th of Angus Valley, to Ralph L. Smith Farms, Chillicothe, Missouri for $60,000. We were fortunate indeed to have bred a few cows to this outstanding show and breeding bull. We predicted he would prove to be a dependable and strong breeding bull. We have not been disappointed for here we offer you one of those very first calves. We feel that this youngster may be good enough, if fitted, to make the Junior Yearling bull classes next year. Regardless of the showing, however, we feel certain of this fact—he does possess bred-in Prepotency—and being endowed with this power factor cannot help being another outstanding breeding grandson of "105th." He is out of a medium sized, typy Prince Revolution A Bar A cow, the kind and type of cows we like for our bulls to come through. See this youngster on parade, sale day. We are certain he will speak for himself. Ray and Earl certainly dislike the idea of parting with this youngster. Heifers for sale carrying his service.

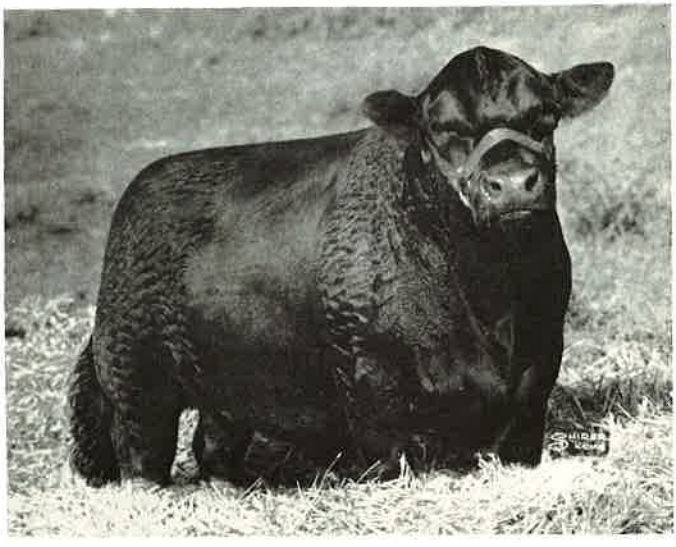
Eligible for 1953 Futurity.

WALNUT HILL FARM

J. H. COCHRANE, Rockville, Va. CONRAD L. GROVE, Mgr.

GREEN HILL FARMS

Farms US Route 11 North of Ingleside Hotel, Staunton, Va.



PRINCE BARDOLIER 34th 1041716
The New Look—We think he is tops.

Prince Sunbeam 144" 778868	Black Prince Sunbeam 504521	Black Peer of St. Albans
		Pride 17" of Sunbeam
	Barbara McHenry 76" 446283	Ex Marshall 3d
		Barbara McHenry 47"
Lady of Glencarnock 2d 674565	Black Bardolier 2" 518825	Bandolier of Anoka
		Black Bardella
	Lady Eric 531691	Lacombe Earl Eric 2d
		Shady Spring Lady 2d

This is a Truly Golden Cross Bull

Other Bulls In Service
EPPONINA 2" OF BROADVIEW 560598
H. O.'s BANDOLIERMERE 1174969

OUR AIM
"To Build a small Top Quality Herd"

Visitors Welcome—Young Bulls and Females for sale most always—Offering some Yearling Heifers Now—Your Inspection invited.

GLENN E. YOUNT, *Owner* G. WILBUR GROVE, *Mgr.*

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Plan To Visit

COVE CREEK FARM

"HEADQUARTERS for HINDQUARTERS"

THE LAST HOME OF

★ ★ ★

Glencarnock Eric of Cremona

1940 International Grand Champion

Our Herd Contains The Greatest Concentration
of His Blood Anywhere

and

THE NEW HOME OF

★ ★ ★

Eileenmere 1950th

Our $25,000.00 Son of Eileenmere 1050th

Selected to cross on our Glencarnock Eric Cattle

★ ★ ★

Visitors Always Welcome

★ ★ ★

COVE CREEK FARM

COVESVILLE, VIRGINIA

15 Miles Southwest of Charlottesville, Va., on U. S. Route 29

E. F. WIEBOLDT, JR., Manager **JOHN PYNE, Herdsman**

THE COW HERD

Chain	Born	Family	Sire	Dam	Sire of Dam	Remarks

CALVES

Tattoo	Chain	Registration	Sex	Born	Dam	Sire	BL vac	BangsV	Grade	Disposition

McCONNELL'S FEED STORE

W. S. McConnell

1201 Commerce St. Dial 8-2871

Lynchburg, Virginia

March 18, 1953

An Open Letter Unsolicited

Mr. L. W. Turner
Old Elkton Farm
Forest, Virginia

Dear Mr. Turner:

Thinking in the terms of high-price cattle; a lot of the newcomers are a little afraid to start into the pleasant adventure of raising cattle.

Let's go back just ten short years ago. I purchased four heifers from you for an average of $175.00 each. I sold three of them for more than the $700.00 that the four cost delivered to the farm. Since that time I have sold $4475.00 in descendants from this one cow and have thirteen head now in the herd besides the original cow. Although she is now eleven years old she looks no more than six.

This is no outstanding accomplishment as no sale was for more than $500.00 per head. I believe that if we let it be known that there is room for the little fellow without risk capital in the cattle business, there would be a little less unrest on the general farms today, caused by the recent fluctuation of cattle prices.

Sorry I could not get to the "All Purple". This is the first one I have missed. I have heard it went off fine as usual.

Sincerely,

W. S. McConnell

WSM:gd

Mr. McConnell and many other purchasers have been highly pleased with our cattle. While purchases cannot be made as cheaply today as Mr. McConnell made them, his pattern will give you the same results.

L.W.T.